

# Harmony<sup>®</sup> XAC pendant control stations

Catalog

June 2013



# How to find the “Automation and Control” products

## > Catalogues

Complete product ranges



## > Essential guides

Selection of the top selling products



# General contents

|                                                         |   |
|---------------------------------------------------------|---|
| Selection guide .....                                   | 1 |
| Pendant control stations with intuitive operation ..... | 2 |
| Pendant control stations .....                          | 3 |
| How to find products, index .....                       | 4 |



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Selection guide for pendant control stations

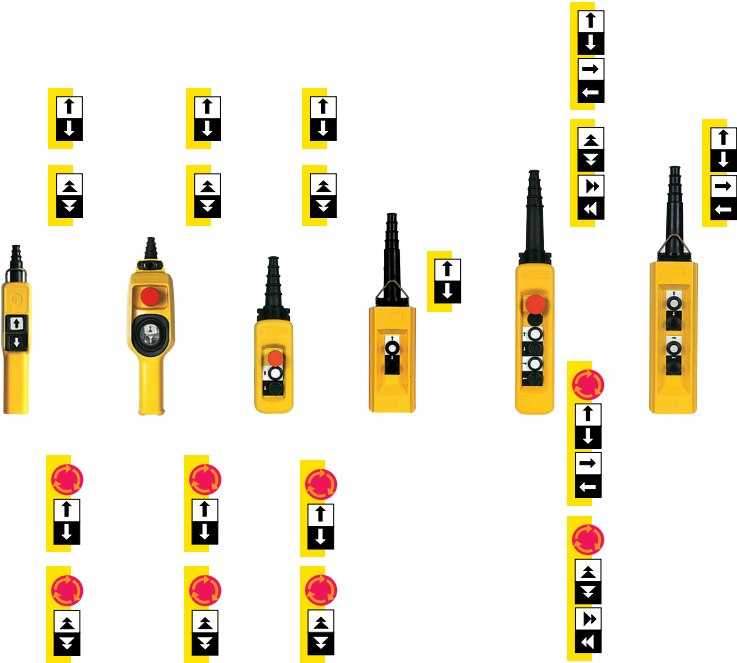
*Selection guide* ..... 1/2

Pendant control stations

Complete stations “ready for use”

| Applications |  | Control circuits            |                                |
|--------------|--|-----------------------------|--------------------------------|
|              |  | Simple hoisting: 1 movement | Handling-hoisting: 2 movements |

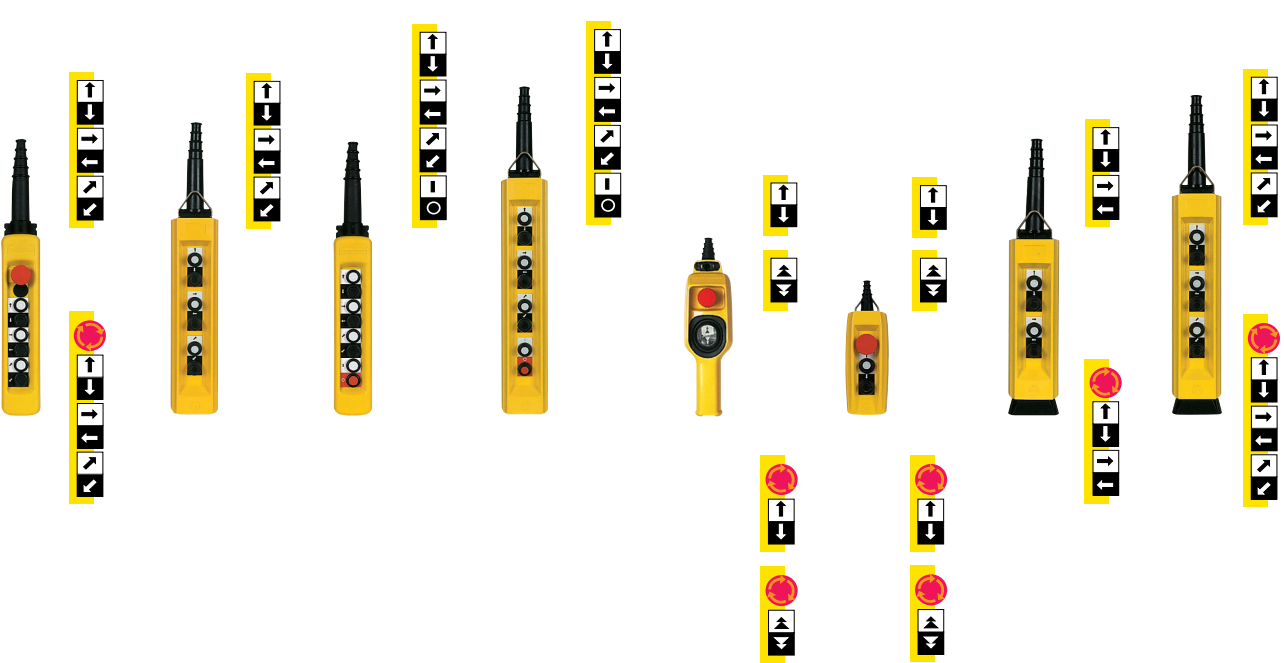
- Motor control
- Single-speed
  - 2-speed
  - Emergency stop



|                                |                                          |                                                                                                                    |                                                                              |                                                                              |                                                                                                                  |                                                                                                                                   |                                                                                                                  |
|--------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Number of operators            |                                          | 2                                                                                                                  | 1<br>(2-directional)                                                         | 2                                                                            | 2                                                                                                                | 4                                                                                                                                 | 4                                                                                                                |
| Enclosure material             |                                          | Polypropylene                                                                                                      |                                                                              |                                                                              | Polyester                                                                                                        | Polypropylene                                                                                                                     | Polyester                                                                                                        |
| Shock resistance               | Conforming to standard<br>IEC 60068-2-27 | 100 gn                                                                                                             | 70 gn                                                                        | 100 gn                                                                       |                                                                                                                  |                                                                                                                                   |                                                                                                                  |
| Conformity to standards        |                                          | EN/IEC 60947-5-1,<br>EN/IEC 60204-32,<br>UL 508,<br>CSA 22-2 N° 14<br>and<br>EN/IEC 60947-5-5,<br>EN/ISO 13850 (1) |                                                                              |                                                                              | EN/IEC<br>60947-5-1<br>CSA 22-2 N° 14                                                                            | EN/IEC<br>60947-5-1,<br>EN/IEC<br>60204-32,<br>UL 508,<br>CSA 22-2 N°<br>14<br>and<br>EN/IEC<br>60947-5-5,<br>EN/ISO 13850<br>(1) | EN/IEC<br>60947-5-1<br>CSA 22-2 N° 14                                                                            |
| Protective treatment           |                                          | Standard version, "TH"                                                                                             |                                                                              |                                                                              |                                                                                                                  |                                                                                                                                   |                                                                                                                  |
| Degree of protection           | Conforming to standard<br>IEC 60529      | IP 65                                                                                                              |                                                                              |                                                                              |                                                                                                                  |                                                                                                                                   |                                                                                                                  |
|                                | Conforming to standard<br>EN 50102       | IK 08                                                                                                              |                                                                              |                                                                              |                                                                                                                  |                                                                                                                                   |                                                                                                                  |
| Cable entries                  |                                          | Rubber sleeve<br>with stepped<br>entry diameter<br>for cable<br>Ø 7 to 15 mm                                       | Rubber sleeve<br>with stepped<br>entry diameter<br>for cable<br>Ø 7 to 18 mm | Rubber sleeve<br>with stepped<br>entry diameter<br>for cable<br>Ø 8 to 26 mm | Rubber sleeve<br>with stepped<br>entry diameter<br>for cable<br>Ø 7 to 13 mm,<br>Ø 10 to 22 mm,<br>Ø 22 to 35 mm | Rubber sleeve<br>with stepped<br>entry diameter<br>for cable<br>Ø 8 to 26 mm                                                      | Rubber sleeve<br>with stepped<br>entry diameter<br>for cable<br>Ø 7 to 13 mm,<br>Ø 10 to 22 mm,<br>Ø 22 to 35 mm |
| Pendant station type reference |                                          | XACA                                                                                                               | XACD                                                                         | XACA                                                                         | XACB                                                                                                             | XACA                                                                                                                              | XACB                                                                                                             |

(1) For versions with trigger action Emergency stop.

| Power circuits |  |                             |                                            |
|----------------|--|-----------------------------|--------------------------------------------|
|                |  | Simple hoisting: 1 movement | Handling-hoisting: 2 movements 3 movements |



|                                                                                                  |                                                                                                |                                                                                                  |                                                                                                |                                                                                                                  |                                                                   |      |      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|------|------|
| 6                                                                                                | 6                                                                                              | 8                                                                                                | 8                                                                                              | 1 (2-directional)                                                                                                | 2                                                                 | 4    | 6    |
| Polypropylene                                                                                    | Polyester                                                                                      | Polypropylene                                                                                    | Polyester                                                                                      | Polypropylene                                                                                                    | Polyester                                                         |      |      |
| 100 gn                                                                                           |                                                                                                |                                                                                                  |                                                                                                | 100 gn                                                                                                           |                                                                   |      |      |
| EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 N° 14 and EN/IEC 60947-5-5, EN/ISO 13850 (1) | EN/IEC 60947-5-1 CSA 22-2 N° 14                                                                | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 N° 14 and EN/IEC 60947-5-5, EN/ISO 13850 (1) | EN/IEC 60947-5-1 CSA 22-2 N° 14                                                                | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 N° 14, EN/IEC 60947-3 and EN/IEC 60947-5-5, EN/ISO 13850 (1) |                                                                   |      |      |
| Standard version, “TH”                                                                           |                                                                                                |                                                                                                  |                                                                                                | Standard version, “TH”                                                                                           |                                                                   |      |      |
| IP 65                                                                                            |                                                                                                |                                                                                                  |                                                                                                | IP 65                                                                                                            |                                                                   |      |      |
| IK 08                                                                                            |                                                                                                |                                                                                                  |                                                                                                | IK 08                                                                                                            |                                                                   |      |      |
| Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm                                 | Rubber sleeve with stepped entry diameter for cable Ø 7 to 13 mm, Ø 10 to 22 mm, Ø 22 to 35 mm | Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm                                 | Rubber sleeve with stepped entry diameter for cable Ø 7 to 13 mm, Ø 10 to 22 mm, Ø 22 to 35 mm | Rubber sleeve with stepped entry diameter for cable Ø 7 to 18 mm                                                 | Rubber sleeve with stepped entry diameter for cable Ø 10 to 22 mm |      |      |
| XACA                                                                                             | XACB                                                                                           | XACA                                                                                             | XACB                                                                                           | XACD                                                                                                             | XACB                                                              | XACB | XACB |

Pendant control stations

Variable composition stations

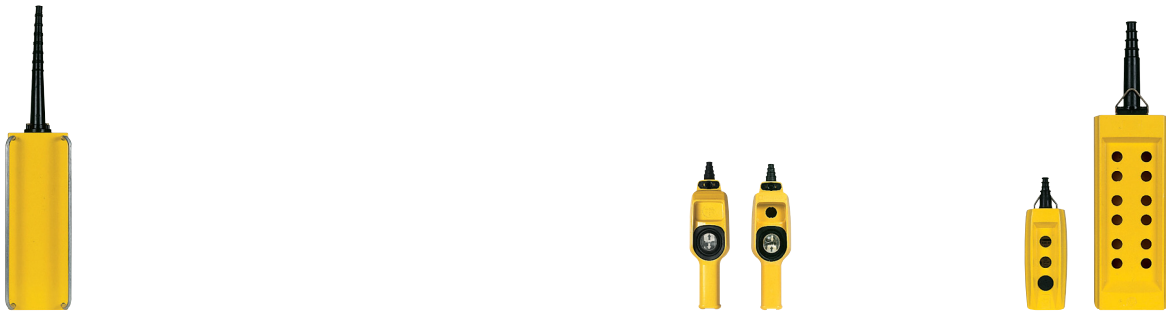
| Applications       | Control circuits |                        |                                             |
|--------------------|------------------|------------------------|---------------------------------------------|
| Number of cut-outs | 1 or 2           | 2, 3, 4, 5, 6, 8 or 12 | 2, 3, 4, 6, 8 or 12 in 1 row or 2 rows of 6 |



| Enclosure material             | Polypropylene                                                                                                    |                                                                                                                                                                | Polyester                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shock resistance               | Conforming to standard IEC 60068-2-27                                                                            |                                                                                                                                                                |                                                                                                                                                                |
| Conformity to standards        | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 N° 14, EN/IEC 60947-3 and EN/IEC 60947-5-5, EN/ISO 13850 (1) |                                                                                                                                                                |                                                                                                                                                                |
| Protective treatment           | Standard version, "TH"                                                                                           |                                                                                                                                                                |                                                                                                                                                                |
| Degree of protection           | Conforming to standard IEC 60529                                                                                 |                                                                                                                                                                | IP 65                                                                                                                                                          |
|                                | Conforming to standard EN 50102                                                                                  |                                                                                                                                                                | IK 08                                                                                                                                                          |
| Equipment                      | ■ Emergency stop (front mounted)<br>■ Contact blocks for 1 or 2 speeds                                           | ■ Pushbuttons<br>■ Selector/key switches<br>■ Pilot lights<br>■ Emergency stop (front or base mounted)<br>■ Wobblesticks<br>■ Contact blocks for 1 or 2 speeds | ■ Pushbuttons<br>■ Selector/key switches<br>■ Pilot lights<br>■ Emergency stop (front or base mounted)<br>■ Wobblesticks<br>■ Contact blocks for 1 or 2 speeds |
| Cable entries                  | Rubber sleeve with stepped entry diameter for cable Ø 7 to 18 mm                                                 | Rubber sleeve with stepped entry diameter for cable Ø 8 to 26 mm                                                                                               | Rubber sleeve with stepped entry diameter for cable Ø 10 to 22 mm                                                                                              |
| Pendant station type reference | XACD                                                                                                             | XACA                                                                                                                                                           | XACB                                                                                                                                                           |

(1) For versions with trigger action Emergency stop.

|          | Power circuits |                                    |
|----------|----------------|------------------------------------|
| Up to 30 | 1 or 2         | 2, 3, 4, 6, 8 or 12 in 2 rows of 6 |



|                                | Polypropylene                                                                                                    | Polyester                                                                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shock resistance               | Conforming to standard IEC 60068-2-27                                                                            |                                                                                                                                                                |
| Conformity to standards        | EN/IEC 60947-5-1, EN/IEC 60204-32, UL 508, CSA 22-2 N° 14, EN/IEC 60947-3 and EN/IEC 60947-5-5, EN/ISO 13850 (1) |                                                                                                                                                                |
| Protective treatment           | Standard version, "TH"                                                                                           |                                                                                                                                                                |
| Degree of protection           | IP 65                                                                                                            |                                                                                                                                                                |
| IK 08                          | IK 08                                                                                                            |                                                                                                                                                                |
| Equipment                      | ■ Emergency stop (front mounted)<br>■ Contact blocks for 1 or 2 speeds                                           | ■ Pushbuttons<br>■ Selector/key switches<br>■ Pilot lights<br>■ Emergency stop (front or base mounted)<br>■ Wobblesticks<br>■ Contact blocks for 1 or 2 speeds |
| Cable entries                  | Rubber sleeve with stepped entry diameter for cable Ø 7 to 18 mm                                                 | Rubber sleeve with stepped entry diameter for cable Ø 10 to 22 mm                                                                                              |
| Pendant station type reference | XACD                                                                                                             | XACB                                                                                                                                                           |



Pendant control stations with intuitive operations

- Double insulated, for control circuits
  - Complete stations “ready for use”, “Pistol grip”, type XACA..... 2/2
  - Complete stations “ready for use”, type XACD ..... 2/4
- Double insulated, for power circuits (direct switching)
  - Complete stations “ready for use”, type XACD ..... 2/5
- Double insulated, for control or power circuits
  - Empty enclosures, type XACD..... 2/6
  - Separate components and spare parts ..... 2/6
  - Variable composition stations, factory assembled ..... 2/8

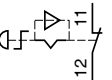
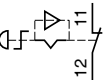
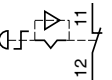
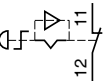
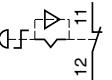
# Pendant control stations

Double insulated with intuitive operation,  
type XACA “Pistol grip”

For control circuits

Complete stations “ready for use”

## For control of single-speed hoist motors

| Functions                                                                         | Number of operators                                                                                             | Type of operators                          | Contact block(s) and scheme                                                         |                                                                                     | Reference                                                                             | Weight kg                                                                            |                 |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------|-------|
|                                                                                   |                                                                                                                 |                                            | Per direction                                                                       | For Emergency stop                                                                  |                                                                                       |                                                                                      |                 |       |
|  | 2 mechanically interlocked                                                                                      | Standard                                   | 1 N/O<br>ZB2BE101                                                                   |    | —                                                                                     | <b>XACA201</b>                                                                       | 0.270           |       |
|                                                                                   |                                                                                                                 |                                            | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101                                          |    | —                                                                                     | <b>XACA205</b>                                                                       | 0.300           |       |
|                                                                                   |                                                                                                                 | Booted                                     | 1 N/O<br>ZB2BE101                                                                   |    | —                                                                                     | <b>XACA211</b>                                                                       | 0.290           |       |
|                                                                                   |                                                                                                                 |                                            | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101                                          |    | —                                                                                     | <b>XACA215</b>                                                                       | 0.320           |       |
|                                                                                   | 2 mechanically interlocked<br>+ 1 trigger<br>action latching<br>Emergency stop Ø 30 mm operator<br>ZB5AS834 (1) | Standard                                   | 1 N/O<br>ZB2BE101                                                                   |  | 1 N/C<br>ZB2BE102                                                                     |   | <b>XACA2014</b> | 0.310 |
|                                                                                   |                                                                                                                 |                                            | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101                                          |   | 1 N/C<br>ZB2BE102                                                                     |  | <b>XACA2054</b> | 0.340 |
| Booted                                                                            |                                                                                                                 | 1 N/O<br>ZB2BE101                          |  | 1 N/C<br>ZB2BE102                                                                   |  | <b>XACA2114</b>                                                                      | 0.310           |       |
|                                                                                   |                                                                                                                 | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101 |  | 1 N/C<br>ZB2BE102                                                                   |  | <b>XACA2154</b>                                                                      | 0.340           |       |

(1) Harmony XB5, trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

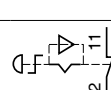
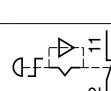
# Pendant control stations

Double insulated with intuitive operation,  
type XACA “Pistol grip”

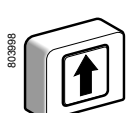
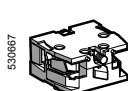
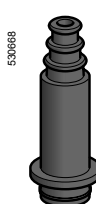
For control circuits

Complete stations “ready for use”

## For control of 2-speed hoist motors

| Functions                                                                                                                                                                                         | Number of operators | Type of operators | Contact block(s) and scheme                                                                                                                                                                                                                        | Reference | Weight kg |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------|
| <br>2 mechanically interlocked                                                                                   |                     | Standard          | 2 step<br>1 N/O + 1 N/O staggered<br>ZB2BE101<br>+ ZB2BE201                                                                                                       | XACA207   | 0.320     |
|                                                                                                                                                                                                   |                     | Booted            | 2 step<br>1 N/O + 1 N/O staggered<br>ZB2BE101<br>+ ZB2BE201                                                                                                       | XACA217   | 0.320     |
| <br>2 mechanically interlocked<br>+ 1 trigger action latching<br>Emergency stop Ø 30 mm operator<br>ZB5AS834 (1) |                     | Standard          | 2 step<br>1 N/O + 1 N/O staggered<br>ZB2BE101<br>+ ZB2BE201  1 N/C ZB2BE102    | XACA2074  | 0.360     |
|                                                                                                                                                                                                   |                     | Booted            | 2 step<br>1 N/O + 1 N/O staggered<br>ZB2BE101<br>+ ZB2BE201  1 N/C ZB2BE102  | XACA2174  | 0.360     |

## Separate components and spare parts

| Description                                                                                                                              | For use with                                                  | Marking/Function | Scheme                                                                                | Reference | Weight kg |
|------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------|-----------|-----------|
| <br>Booted pushbutton operators<br>with fixing screws | XACA211●<br>XACA215●<br>(single-speed)                        | ↑                | —                                                                                     | XACA921   | 0.010     |
|                                                                                                                                          |                                                               | ↓                | —                                                                                     | XACA922   | 0.010     |
|                                                                                                                                          | XACA217●<br>(2-speed)                                         | ▲                | —                                                                                     | XACA923   | 0.010     |
|                                                                                                                                          |                                                               | ▼                | —                                                                                     | XACA924   | 0.010     |
| <br>ZB2BE●●●                                          | XACA<br>all models                                            | N/O              |  | ZB2BE101  | 0.015     |
|                                                                                                                                          |                                                               | N/C              |  | ZB2BE102  | 0.015     |
|                                                                                                                                          |                                                               | N/O staggered    |  | ZB2BE201  | 0.015     |
| <br>XACA913                                           | Protective cable sleeve<br>+ suspension ring<br>+ cable clamp | —                | —                                                                                     | XACA913   | 0.070     |

(1) Harmony XB5, trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

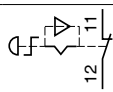
# Pendant control stations

Double insulated with intuitive operation,  
type XACD

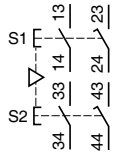
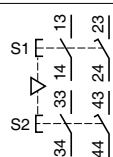
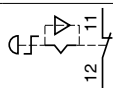
For control circuits

Complete stations “ready for use”

## For control of single-speed hoist motors

| Functions                                                                                                                      | Number of operators                                                                      | Contact block(s) and scheme                                                                                                                                                                                             | Reference   | Weight kg |
|--------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
| <br>Reversing,<br>mechanically<br>interlocked | 1                                                                                        | 1 N/O                                                                                                                                                                                                                   | XACD21A0101 | 0.340     |
|                                                                                                                                | 2-directional operator                                                                   | Per direction<br>ZB2BE101<br>                                                                                                          |             |           |
|                                                                                                                                |                                                                                          | 1 N/C + 1 N/O<br>ZB2BE102<br>+ ZB2BE101<br>                                                                                            | XACD21A0105 | 0.365     |
|                                                                                                                                | 1                                                                                        | 1 N/O                                                                                                                                                                                                                   | XACD24A0101 | 0.395     |
|                                                                                                                                | 2-directional operator<br>+ 1 trigger action Emer. stop Ø 30 mm<br>ZA2BS834 operator (2) | Per direction<br>ZB2BE101<br> 1 N/C<br>ZB2BE102<br> |             |           |
|                                                                                                                                |                                                                                          | 1 N/C + 1 N/O<br>ZB2BE102<br>+ ZB2BE101<br>                                                                                            | XACD24A0105 | 0.425     |

## For control of 2-speed hoist motors

| Functions                                                                                                                        | Number of operators                                                                                      | Contact block(s) and scheme                                                                                                                                                                                     | Reference   | Weight kg |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
| <br>Reversing,<br>mechanically<br>interlocked | 1                                                                                                        | 1 N/O + N/O<br>staggered<br>XEDS1231<br>(1)                                                                                                                                                                     | XACD21A1231 | 0.365     |
|                                                                                                                                  | 2-directional operator                                                                                   | Per direction<br>                                                                                                            |             |           |
|                                                                                                                                  |                                                                                                          | 1 N/C + N/O<br>+ N/O staggered<br>XEDS1241<br>(1)                                                                                                                                                               | XACD21A1241 | 0.405     |
|                                                                                                                                  | 1                                                                                                        | 1 N/O + N/O<br>staggered<br>XEDS1231<br>(1)                                                                                                                                                                     | XACD24A1231 | 0.420     |
|                                                                                                                                  | 2-directional operator<br>+ 1 trigger action latching<br>Emergency stop Ø 30 mm<br>ZA2BS834 operator (2) | Per direction<br> 1 N/C<br>ZB2BE102<br> |             |           |
|                                                                                                                                  |                                                                                                          | 1 N/C + N/O<br>+ N/O staggered<br>XEDS1241<br>(1)                                                                                                                                                               | XACD24A1241 | 0.420     |

(1) Reference of double contact block for reversing operation.

(2) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

# Pendant control stations

Double insulated with intuitive operation,  
type XACD

For power circuits (direct switching)

Complete stations “ready for use”

DF565500



XACD21P2111

DF565501



XACD24P2121

DF565504



XACD21P2231

DF565502



XACD24P3241

## For control of single-speed hoist motors

| Functions                                                                                                                | Number of operators         | Contact blocks<br>Per direction           | For Emergency stop | Maximum operational power/400 V | Reference   | Weight kg |
|--------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------|--------------------|---------------------------------|-------------|-----------|
| <br>Reversing, mechanically interlocked | 1<br>2-directional operator | 2-pole<br>XEDS2111 (1)                    | –                  | 1.1 kW                          | XACD21P2111 | 0.355     |
|                                                                                                                          |                             | 2-pole<br>XEDS3111 (1)                    | –                  | 2.2 kW                          | XACD21P3111 | 0.355     |
|                                                                                                                          |                             | 2-pole<br>+ 1 N/O (brake)<br>XEDS2121 (1) | –                  | 1.1 kW                          | XACD21P2121 | 0.355     |
|                                                                                                                          |                             | 2-pole<br>+ 1 N/O (brake)<br>XEDS3121 (1) | –                  | 2.2 kW                          | XACD21P3121 | 0.355     |

|                                                                                                                                         |                                                            |                                           |                               |        |                 |       |
|-----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------|-------------------------------|--------|-----------------|-------|
| <br>Emergency stop<br>Ø 30 mm operator<br>ZA2BS834 (2) | 1<br>2-directional operator<br>+ 1 trigger action latching | 2-pole<br>XEDS3111 (1)                    | 1 N/C + N/C + N/C<br>XENT1991 | 2.2 kW | XACD24P3111 (2) | 0.410 |
|                                                                                                                                         |                                                            | 2-pole<br>+ 1 N/O (brake)<br>XEDS2121 (1) | 1 N/C + N/C + N/C<br>XENT1991 | 1.1 kW | XACD24P2121 (2) | 0.410 |
|                                                                                                                                         |                                                            | 2-pole<br>+ 1 N/O (brake)<br>XEDS3121 (1) | 1 N/C + N/C + N/C<br>XENT1991 | 2.2 kW | XACD24P3121 (2) | 0.410 |

## For control of 2-speed hoist motors

| Functions                                                                                                                  | Number of operators         | Contact blocks<br>Per direction           | For Emergency stop | Maximum operational power/400 V | Reference   | Weight kg |
|----------------------------------------------------------------------------------------------------------------------------|-----------------------------|-------------------------------------------|--------------------|---------------------------------|-------------|-----------|
| <br>Reversing, mechanically interlocked | 1<br>2-directional operator | 2-pole<br>XEDS2231 (1)                    | –                  | 1.1 kW                          | XACD21P2231 | 0.355     |
|                                                                                                                            |                             | 2-pole<br>XEDS3231 (1)                    | –                  | 2.2 kW                          | XACD21P3231 | 0.355     |
|                                                                                                                            |                             | 2-pole<br>+ 1 N/O (brake)<br>XEDS2241 (1) | –                  | 1.1 kW                          | XACD21P2241 | 0.355     |
|                                                                                                                            |                             | 2-pole<br>+ 1 N/O (brake)<br>XEDS3241 (1) | –                  | 2.2 kW                          | XACD21P3241 | 0.355     |

|                                                                                                                                           |                                                            |                                           |                               |        |                 |       |
|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------|-------------------------------|--------|-----------------|-------|
| <br>Emergency stop<br>Ø 30 mm operator<br>ZA2BS834 (2) | 1<br>2-directional operator<br>+ 1 trigger action latching | 2-pole<br>XEDS2231 (1)                    | 1 N/C + N/C + N/C<br>XENT1991 | 1.1 kW | XACD24P2231 (2) | 0.420 |
|                                                                                                                                           |                                                            | 2-pole<br>XEDS3231 (1)                    | 1 N/C + N/C + N/C<br>XENT1991 | 2.2 kW | XACD24P3231 (2) | 0.420 |
|                                                                                                                                           |                                                            | 2-pole<br>+ 1 N/O (brake)<br>XEDS3241 (1) | 1 N/C + N/C + N/C<br>XENT1991 | 2.2 kW | XACD24P3241 (2) | 0.420 |

(1) Reference of double contact block for reversing operation.

(2) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

# Pendant control stations

Double insulated with intuitive operation,  
type XACD

For control or power circuits

Empty enclosures, separate components and spare parts

2



XACD021



XACD022



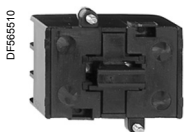
ZB2BE10●



XEDS1231



XEDS2121



XENT1991

## Empty enclosures

| Description                                                                                                                                                                                                                               | Enclosure cut-outs                                                  | Reference      | Weight<br>kg |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|----------------|--------------|
| <b>Empty enclosure</b><br>comprising:<br>- the enclosure,<br>- protective cable sleeve for Ø 7 to 18 mm cable,<br>- internal cable clamp,<br>- cable tie (for tightening sleeve onto cable),<br>- the directional operator,<br>- legends. | For directional operator                                            | <b>XACD021</b> | 0.345        |
|                                                                                                                                                                                                                                           | For directional operator<br>+ operating head<br>(Ø 22.5 mm cut-out) | <b>XACD022</b> | 0.345        |

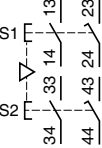
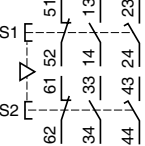
## Variable composition stations, factory assembled

Use the order form on page 2/9 to define the required configuration.

**Equipment:** contact blocks and operating heads

See separate components,  
page 2/7

## Contact blocks

| Description                                | Application  | Function<br>(1)                 | Scheme<br>(1)                                                                        | Max. power/<br>400 V | Reference       | Weight<br>kg |
|--------------------------------------------|--------------|---------------------------------|--------------------------------------------------------------------------------------|----------------------|-----------------|--------------|
| For control circuits                       |              |                                 |                                                                                      |                      |                 |              |
| Single block<br>spring return, slow break  | Single-speed | N/O                             |     | —                    | <b>ZB2BE101</b> | 0.015        |
|                                            |              | N/C                             |   | —                    | <b>ZB2BE102</b> | 0.015        |
| Double block<br>spring return, snap action | 2-speed      | N/O + N/O<br>staggered          |  | —                    | <b>XEDS1231</b> | 0.015        |
|                                            |              | N/C + N/O<br>+ N/O<br>staggered |  | —                    | <b>XEDS1241</b> | 0.015        |
| For power circuits                         |              |                                 |                                                                                      |                      |                 |              |
| Double block<br>spring return, snap action | Single-speed | 2-pole                          |                                                                                      | 1.1 kW               | <b>XEDS2111</b> | 0.080        |
|                                            |              |                                 |                                                                                      | 2.2 kW               | <b>XEDS3111</b> | 0.090        |
|                                            |              | 2-pole<br>+ 1 N/O<br>(brake)    |                                                                                      | 1.1 kW               | <b>XEDS2121</b> | 0.090        |
|                                            |              |                                 |                                                                                      | 2.2 kW               | <b>XEDS3121</b> | 0.090        |
|                                            | 2-speed      | 2-pole                          |                                                                                      | 1.1 kW               | <b>XEDS2231</b> | 0.110        |
|                                            |              |                                 |                                                                                      | 2.2 kW               | <b>XEDS3231</b> | 0.110        |
|                                            |              | 2-pole<br>+ 1 N/O<br>(brake)    |                                                                                      | 1.1 kW               | <b>XEDS2241</b> | 0.120        |
|                                            |              |                                 |                                                                                      | 2.2 kW               | <b>XEDS3241</b> | 0.120        |

## For Emergency stop operating head (Ø 22.5 mm cut-out)

|                                                  |                    |  |   |                 |       |
|--------------------------------------------------|--------------------|--|---|-----------------|-------|
| <b>Single block</b><br>spring return, slow break | N/C                |  | — | <b>ZB2BE102</b> | 0.015 |
|                                                  | N/C + N/C<br>+ N/C |  | — | <b>XENT1991</b> | 0.040 |

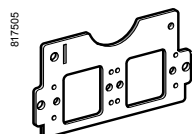
(1) Function or scheme per direction for double contact blocks.

# Pendant control stations

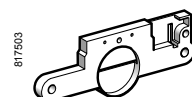
Double insulated with intuitive operation,  
type XACD

For control or power circuits

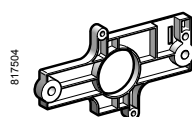
Separate components and spare parts



XACD913



XACD911



XACD912



ZA2BS834

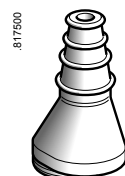


ZA2BS934



ZA2BD2

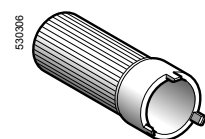
ZA2BG2



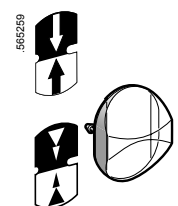
XACD901



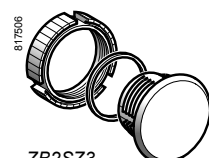
XACD902



ZA2BZ905



XACD905



ZB2SZ3

## Contact block support plates

| For use with                                                            | Reference      | Weight<br>kg |
|-------------------------------------------------------------------------|----------------|--------------|
| <b>2 movement contact blocks ZB2BE10●</b><br>(control circuit stations) | <b>XACD913</b> | 0.010        |
| <b>1 contact block ZB2BE102</b> for operating head                      | <b>XACD911</b> | 0.005        |
| <b>1 contact block XENT1991</b> for operating head                      | <b>XACD912</b> | 0.010        |

## Operating heads for Ø 22.5 mm cut-out

| Description                                                                                                                                     | Colour | Reference       | Weight<br>kg |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------|-----------------|--------------|
| <b>1 trigger action latching<br/>Emergency stop Ø 30 mm operator (1)</b><br>Turn to release                                                     | Red    | <b>ZA2BS834</b> | 0.040        |
| <b>1 trigger action latching<br/>Emergency stop Ø 30 mm operator</b><br>Key release, n° 455 (2)<br>Key withdrawal in rest (unactuated) position | Red    | <b>ZA2BS934</b> | 0.060        |
| <b>Selector switch, standard handle</b><br>2 position, stay put                                                                                 | Black  | <b>ZA2BD2</b>   | 0.018        |
| <b>Key switch (key n° 455) (2)</b><br>2 position, stay put<br>Key withdrawal in left-hand position                                              | —      | <b>ZA2BG2</b>   | 0.020        |
| <b>Key switch (key n° 455) (2)</b><br>2 position, spring return from right to left<br>Key withdrawal in left-hand position                      | —      | <b>ZA2BG6</b>   | 0.020        |
| <b>Key switch (key n° 455) (2)</b><br>2 position, stay put<br>Key withdrawal in left and right-hand position                                    | —      | <b>ZA2BG4</b>   | 0.020        |
| <b>Key switch (key n° 455) (2) (3)</b><br>3 position, stay put<br>Key withdrawal in left and right-hand position                                | —      | <b>ZA2BG5</b>   | 0.020        |
| <b>Key switch (key n° 455) (2) (3)</b><br>3 position, stay put<br>Key withdrawal in centre position                                             | —      | <b>ZA2BG3</b>   | 0.020        |

## Complementary accessories

|                                                                               |       |                 |       |
|-------------------------------------------------------------------------------|-------|-----------------|-------|
| <b>Protective cable sleeve</b> for cable Ø 7 to 18 mm                         | —     | <b>XACD901</b>  | 0.030 |
| <b>Diaphragm for directional operator</b> , polychloroprene                   | Black | <b>XACD902</b>  | 0.015 |
| <b>Tightening tool</b> for fixing nut                                         | —     | <b>ZA2BZ905</b> | 0.060 |
| <b>Directional operator</b> with set of legends<br>(single-speed and 2-speed) | —     | <b>XACD905</b>  | 0.005 |
| <b>Blanking plug</b> for Ø 22.5 mm cut-out,<br>with seal and fixing nut       | Black | <b>ZB2SZ3</b>   | 0.010 |

## Printed labels, pendant station characteristics

| Description                                           | Pendant station<br>circuit type | Sold in<br>lots of | Unit reference | Weight<br>kg |
|-------------------------------------------------------|---------------------------------|--------------------|----------------|--------------|
| <b>Self-adhesive labels</b><br>product identification | Control                         | <b>50</b>          | <b>XACD950</b> | 0.001        |
|                                                       | Power, 1.1 kW                   | <b>50</b>          | <b>XACD951</b> | 0.001        |
|                                                       | Power, 2.2 kW                   | <b>50</b>          | <b>XACD952</b> | 0.001        |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

(2) Other key numbers available on request, please consult our Customer Care Centre.

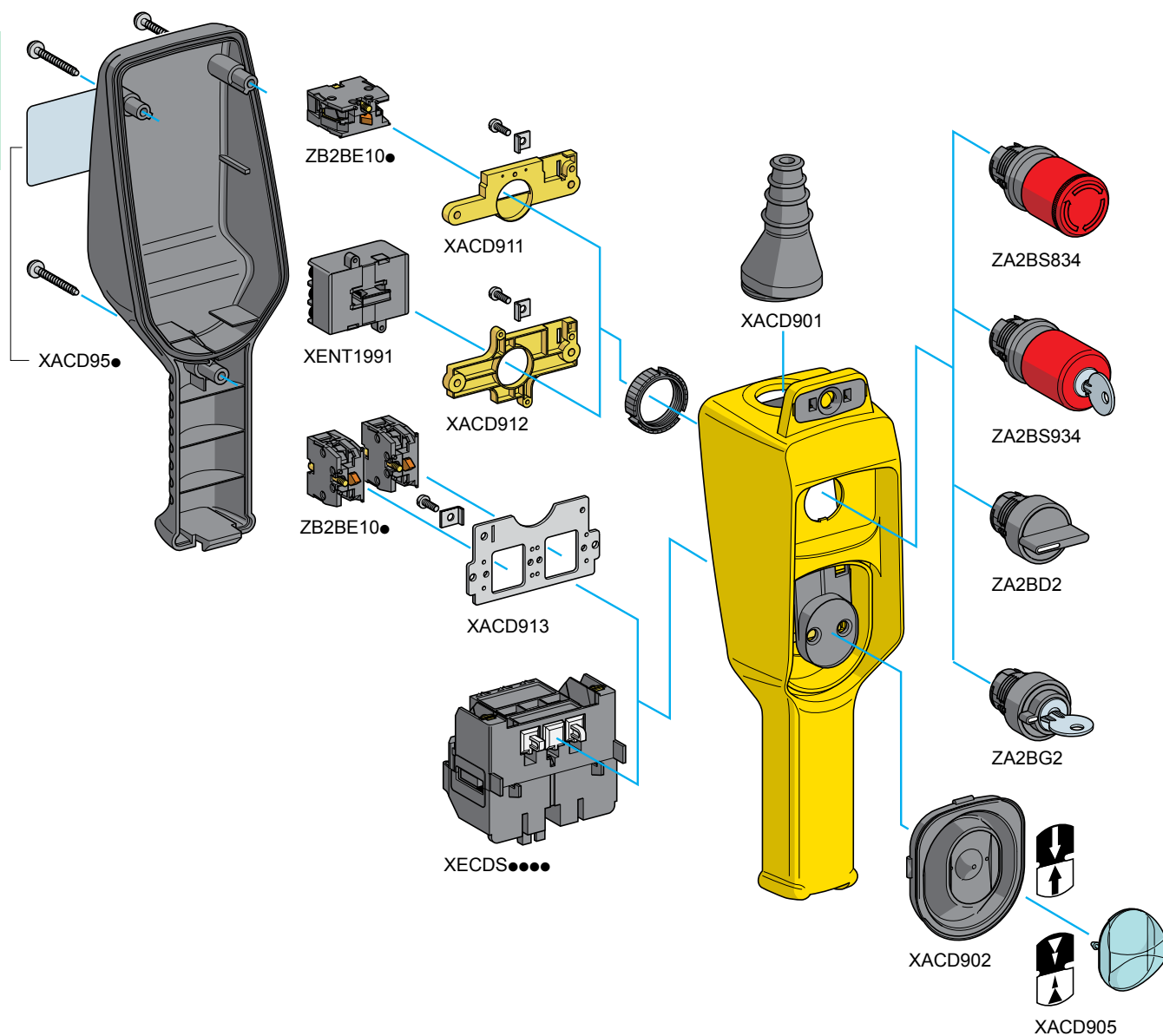
(3) Only suitable for front mounting.

## Pendant control stations

Double insulated with intuitive operation,  
type XACD

For control or power circuits

Variable composition stations, factory assembled

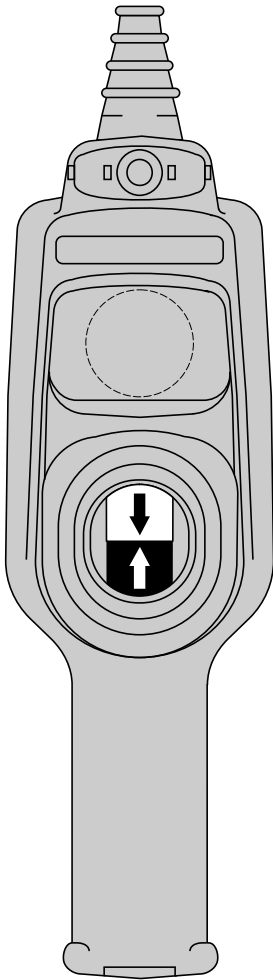


## Pendant control stations

Double insulated with intuitive operation,  
type XACD

For control or power circuits

Variable composition stations, factory assembled



| Customer |          |               | Schneider Electric Industries |          |
|----------|----------|---------------|-------------------------------|----------|
| Company  | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
|          |          |               |                               |          |

### Enter the order with XACD09 reference

| Unit reference of empty enclosure, see page 2/6 |   |   |   |  | Number of identical stations | Enclosure price (1) |
|-------------------------------------------------|---|---|---|--|------------------------------|---------------------|
| XAC                                             | D | 0 | 2 |  |                              |                     |

The reference of the empty enclosure above comprises:

- the enclosure,
- internal cable clamp,
- cable tie (for tightening sleeve onto cable),
- the directional operator with set of legends, **XACD905**,
- protective cable sleeve for Ø 7 to 18 mm cable, **XACD901**,
- diaphragm for directional operator, **XACD902**.

| Operating head<br>see page 2/7 |            | Contact blocks<br>see page 2/6 |            | Support plate<br>see page 2/7 |            | Total price |
|--------------------------------|------------|--------------------------------|------------|-------------------------------|------------|-------------|
| Reference                      | Unit price | Reference                      | Unit price | Reference                     | Unit price |             |
|                                |            |                                |            |                               |            |             |

| Contact blocks<br>see page 2/6 |      |            | Support plate (for ZB2BE●●● only)<br>see page 2/7 |      |            | Total price |
|--------------------------------|------|------------|---------------------------------------------------|------|------------|-------------|
| Reference                      | Qty. | Unit price | Reference                                         | Qty. | Unit price |             |
|                                |      |            |                                                   |      |            |             |

### Factory assembly:

Add an additional cost for assembly **XAC9VA**

Total price of assembled pendant station

(1) Obtain the empty enclosure price.



Pendant control stations

- Double insulated, type XACA, for control circuits
  - Complete stations “ready for use” ..... 3/2
  - Empty enclosures ..... 3/5
  - Separate components and spare parts ..... 3/6
  - Variable composition stations, factory assembled ..... 3/12
- Double insulated, type XACB or metal, type XACM
  - Complete stations “ready for use”, type XACB, for control circuits..... 3/14
  - Complete stations “ready for use”, type XACB, for power circuits..... 3/15
  - Empty enclosures, type XACB, for control or power circuits..... 3/17
  - Separate components and spare parts ..... 3/18
  - Variable composition stations, factory assembled ..... 3/30
- Double insulated, type XACF, for control circuits
  - Empty enclosures ..... 3/13
  - Variable composition stations, factory assembled ..... 3/33

# Pendant control stations

Double insulated, type XACA

For control circuits

Complete stations "ready for use"

DF56523



XACA271  
XACA281

DF56524



XACA2714  
XACA2814

DF56524



XACA27141  
XACA28141

DF56525



XACA471  
XACA481

530226



XACA4714  
XACA4814  
XACA47141  
XACA48141

## For control of single-speed motors

| Functions                                                                           | Number of operators                                                                                               | Contact block(s) and scheme                | Reference                        | Weight kg                  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----------------------------------|----------------------------|
|                                                                                     |                                                                                                                   | Per direction                              | For Emergency stop               |                            |
|    | 2 mechanically interlocked                                                                                        | 1 N/O<br>ZB2BE101                          | —                                | <b>XACA271</b> 0.475       |
|                                                                                     |                                                                                                                   | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101 | —                                | <b>XACA281</b> 0.500       |
|                                                                                     | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 30 mm operator ZA2BS834 (1)               | 1 N/O<br>ZB2BE101                          | 1 N/C<br>ZB2BE102                | <b>XACA2714 (1)</b> 0.575  |
|                                                                                     |                                                                                                                   | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101 | 1 N/C<br>ZB2BE102                | <b>XACA2814 (1)</b> 0.600  |
|                                                                                     |                                                                                                                   | 1 N/O<br>ZB2BE101                          | 1 N/C + N/C<br>+ N/C<br>XENT1192 | <b>XACA27141 (1)</b> 0.615 |
|                                                                                     |                                                                                                                   | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101 | 1 N/C + N/C<br>+ N/C<br>XENT1192 | <b>XACA28141 (1)</b> 0.635 |
|  | 4 mechanically interlocked between pairs                                                                          | 1 N/O<br>ZB2BE101                          | —                                | <b>XACA471</b> 0.625       |
|                                                                                     |                                                                                                                   | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101 | —                                | <b>XACA481</b> 0.675       |
|                                                                                     | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/O<br>ZB2BE101                          | 1 N/C<br>ZB2BE102                | <b>XACA4714 (1)</b> 0.800  |
|                                                                                     |                                                                                                                   | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101 | 1 N/C<br>ZB2BE102                | <b>XACA4814 (1)</b> 0.815  |
|                                                                                     |                                                                                                                   | 1 N/O<br>ZB2BE101                          | 1 N/C + N/C<br>+ N/C<br>XENT1192 | <b>XACA47141 (1)</b> 0.835 |
|                                                                                     |                                                                                                                   | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101 | 1 N/C + N/C<br>+ N/C<br>XENT1192 | <b>XACA48141 (1)</b> 0.850 |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

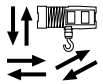
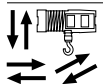
# Pendant control stations

Double insulated, type XACA

For control circuits

Complete stations "ready for use"

## For control of single-speed motors (continued)

| Functions                                                                           | Number of operators                                                                                                              | Contact block(s) and scheme                                                                  |                                  | Reference            | Weight kg |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------|----------------------|-----------|
|                                                                                     |                                                                                                                                  | Per direction                                                                                | For Emergency stop               |                      |           |
|    | 6<br>mechanically interlocked between pairs                                                                                      | 1 N/O<br>ZB2BE101                                                                            | —                                | <b>XACA671</b>       | 0.860     |
|                                                                                     |                                                                                                                                  | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101                                                   | —                                | <b>XACA681</b>       | 0.950     |
|                                                                                     |                                                                                                                                  | 1 N/O<br>ZB2BE101                                                                            | 1 N/C<br>ZB2BE102                | <b>XACA6714 (1)</b>  | 0.845     |
|    | 6<br>mechanically interlocked between pairs<br>+ 1 trigger<br>action latching<br>Emergency stop Ø 40 mm operator<br>ZA2BS844 (1) | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101                                                   | 1 N/C<br>ZB2BE102                | <b>XACA6814 (1)</b>  | 0.935     |
|                                                                                     |                                                                                                                                  | 1 N/O<br>ZB2BE101                                                                            | 1 N/C + N/C<br>+ N/C<br>XENT1192 | <b>XACA67141 (1)</b> | 0.880     |
|                                                                                     |                                                                                                                                  | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101                                                   | 1 N/C + N/C<br>+ N/C<br>XENT1192 | <b>XACA68141 (1)</b> | 0.970     |
|  | 8<br>mechanically interlocked between pairs                                                                                      | 1 N/O on 7 operators<br>ZB2BE101<br>and<br>1 N/C on the 8 <sup>th</sup> operator<br>ZB2BE102 | —                                | <b>XACA871</b>       | 0.940     |
|                                                                                     |                                                                                                                                  | 1 N/C + 1 N/O<br>ZB2BE102<br>+<br>ZB2BE101                                                   | —                                | <b>XACA881</b>       | 1.045     |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.



XACA671  
XACA681

XACA6714  
XACA6814



XACA67141  
XACA68141

XACA871  
XACA881

# Pendant control stations

Double insulated, type XACA

For control circuits

Complete stations "ready for use"



## For control of 2-speed motors

| Functions | Number of operators                                                                                               | Contact block(s) and scheme                    | Reference                     | Weight kg                  |
|-----------|-------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------|----------------------------|
|           |                                                                                                                   | Per direction                                  | For Emergency stop            |                            |
|           | 2 mechanically interlocked between pairs                                                                          | 1 N/C + N/O + N/O<br>staggered<br>XENG1191     | —                             | <b>XACA291</b> 0.525       |
|           | 2 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 30 mm operator ZA2BS834 (1) | 1 N/C + N/O + N/O<br>staggered<br>XENG1191     | 1 N/C<br>ZB2BE102             | <b>XACA2914 (1)</b> 0.570  |
|           |                                                                                                                   | 1 N/C + N/O + N/O<br>staggered<br>XENG1191     | 1 N/C + N/C + N/C<br>XENT1192 | <b>XACA29141 (1)</b> 0.605 |
|           | 4 mechanically interlocked between pairs                                                                          | 1 N/C + N/O + N/O<br>staggered<br>XENG1191     | —                             | <b>XACA491</b> 0.625       |
|           | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/C + N/O + N/O<br>staggered<br>XENG1191     | 1 N/C<br>ZB2BE102             | <b>XACA4914 (1)</b> 0.675  |
|           |                                                                                                                   | 1 N/C + N/O + N/O<br>staggered<br>XENG1191     | 1 N/C + N/C + N/C<br>XENT1192 | <b>XACA49141 (1)</b> 0.700 |
| (a)       | 4 mechanically interlocked between pairs                                                                          | 1 N/C + N/O + N/O<br>staggered (a)<br>XENG1191 | —                             | <b>XACA492</b> 0.675       |
| (b)       |                                                                                                                   | 1 N/O (b)<br>ZB2BE101                          |                               |                            |
|           | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 (1) | 1 N/C + N/O + N/O<br>staggered (a)<br>XENG1191 | 1 N/C<br>ZB2BE102             | <b>XACA4924 (1)</b> 0.700  |
|           |                                                                                                                   | 1 N/O (b)<br>ZB2BE101                          |                               |                            |
|           |                                                                                                                   | 1 N/C + N/O + N/O<br>staggered (a)<br>XENG1191 | 1 N/C + N/C + N/C<br>XENT1192 | <b>XACA49241 (1)</b> 0.735 |
|           |                                                                                                                   | 1 N/O (b)<br>ZB2BE101                          |                               |                            |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

# Pendant control stations

Double insulated, type XACA

For control circuits

Empty enclosures

530233



XACA02

530234



XACA03

530234



XACA12

## Empty enclosures

| Description                                                                                                                                                                                                      | Number of cut-outs | Reference         | Weight kg |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|-----------|
| <b>Enclosure</b> comprising:<br>- the enclosure,<br>- internal mounting plate,<br>- protective cable sleeve,<br>- internal cable clamp,<br>- suspension ring,<br>- cable tie (for tightening sleeve onto cable). | 2                  | <b>XACA02</b>     | 0.440     |
|                                                                                                                                                                                                                  | 3                  | <b>XACA03 (1)</b> | 0.440     |
|                                                                                                                                                                                                                  | 4                  | <b>XACA04</b>     | 0.540     |
|                                                                                                                                                                                                                  | 5                  | <b>XACA05 (1)</b> | 0.625     |
|                                                                                                                                                                                                                  | 6                  | <b>XACA06</b>     | 0.665     |
|                                                                                                                                                                                                                  | 8                  | <b>XACA08</b>     | 0.770     |
|                                                                                                                                                                                                                  | 12                 | <b>XACA12</b>     | 1.000     |

## Variable composition stations, factory assembled

Use the order form on page 3/13 to define the required configuration.

**Equipment:** contact blocks, operating heads (control and signalling), complementary accessories

See separate components, page 3/6

(1) Enclosures with 3 cut-outs XACA03 and 5 cut-outs XACA05 cannot be fitted with a mounting adaptor for base mounted units. The first cut-out can only be used for the Emergency stop function.

# Pendant control stations

Double insulated, type XACA

For control circuits

Separate components and spare parts

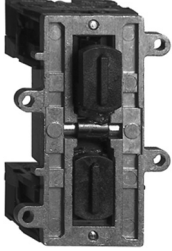
530238

ZB2BE101  
ZB2BE102

## Contact blocks for front mounting

| Description                               | Application  | Function                               | Scheme | Reference | Weight<br>kg |
|-------------------------------------------|--------------|----------------------------------------|--------|-----------|--------------|
| Single block, spring return<br>slow break | Single-speed | N/O                                    |        | ZB2BE101  | 0.015        |
|                                           |              | N/C                                    |        | ZB2BE102  | 0.015        |
|                                           |              | N/C + N/O + N/O<br>simultaneous<br>(1) |        | XENG1491  | 0.040        |
|                                           | 2-speed      | N/C + N/O + N/O<br>staggered (1)       |        | XENG1191  | 0.040        |
| Double block, latching<br>slow break (2)  | Single-speed | N/O                                    |        | XENG3781  | 0.060        |
|                                           |              | N/O                                    |        | XENG3791  | 0.060        |
|                                           |              | N/O                                    |        | XENG3791  | 0.060        |
|                                           |              | N/C                                    |        | XENG3791  | 0.060        |

530236

XENG3781  
XENG3791

530239



XENT1192

## Isolating switch, slow break, for front mounting

| For mounting<br>in enclosures                                             | Application    | Function                                              | Scheme | Reference | Weight<br>kg |
|---------------------------------------------------------------------------|----------------|-------------------------------------------------------|--------|-----------|--------------|
| XACA03 (frontal cut-out)<br>XACA05, A06, A08 (frontal<br>or base cut-out) | Emergency stop | N/C + N/C + N/C<br>with positive<br>opening operation |        | XENT1192  | 0.050        |

(1) Only for use with XACA9... operators.

(2) Not suitable for use with the following operating heads: ZA2BB, ZA2BD, ZA2BG and ZA2BS.

# Pendant control stations

Double insulated, type XACA

For control circuits

Separate components and spare parts

530240



XACS10●

## Contact blocks for base mounting

| Description                     | Function  | Scheme | Reference | Weight<br>kg |
|---------------------------------|-----------|--------|-----------|--------------|
| Spring return<br>slow break (1) | N/O       |        | XACS101   | 0.030        |
|                                 | N/C       |        | XACS102   | 0.030        |
|                                 | N/O + N/O |        | XACS103   | 0.045        |
|                                 | N/C + N/C |        | XACS104   | 0.045        |
|                                 | N/C + N/O |        | XACS105   | 0.045        |

PF110461



ZB2BV006

## Pilot light bodies for front mounting

| Description                                                                                  | Supply voltage | Scheme | Reference | Weight<br>kg |
|----------------------------------------------------------------------------------------------|----------------|--------|-----------|--------------|
| Direct supply<br>Bulb not included (2)                                                       | ≤ 400 V        |        | ZB2BV006  | 0.015        |
| Direct supply, through<br>resistor<br>Incandescent BA 9s base<br>fitting 130 V bulb included | 230 V          |        | ZB2BV007  | 0.020        |

PF110462



ZB2BV007

(1) Not suitable for use with 3-position operating heads ZA2BD and ZA2BG or for mounting in enclosures XACA039 and XACA03.

(2) Bulb type for use with direct supply units: BA 9s base fitting incandescent bulb  $U \leq 130$  V or neon bulb  $110 \text{ V} \leq U \leq 400$  V. Maximum power: 2.6 W, maximum Ø: 11 mm, maximum length: 28 mm. See page 3/9.

Double insulated, type XACA

For control circuits

Separate components and spare parts

530243



XACA94●●

## Operating heads for front mounting

| Description      | Colour | Sold in lots of | Unit reference | Weight kg |
|------------------|--------|-----------------|----------------|-----------|
| Booted operators | White  | 10              | XACA9411       | 0.010     |
|                  | Black  | 10              | XACA9412       | 0.010     |
|                  | Green  | 10              | XACA9413       | 0.010     |
|                  | Red    | 10              | XACA9414       | 0.010     |
|                  | Yellow | 10              | XACA9415       | 0.010     |
|                  | Blue   | 10              | XACA9416       | 0.010     |
|                  | Brown  | 10              | XACA9419       | 0.010     |

3

530249



ZA2BS834

## Operating heads for front or base mounting

| Description                                                                                                              | Colour | Type                     | Reference | Weight kg |
|--------------------------------------------------------------------------------------------------------------------------|--------|--------------------------|-----------|-----------|
| Trigger action latching<br>Emergency stop (1)<br>Turn to release                                                         | Red    | Ø 30 mm                  | ZA2BS834  | 0.040     |
|                                                                                                                          |        | Ø 40 mm                  | ZA2BS844  | 0.050     |
| Trigger action latching<br>Emergency stop (2)<br>Key release (n° 455)<br>Key withdrawal in rest<br>(unactuated) position | Red    | Ø 30 mm                  | ZA2BS934  | 0.060     |
|                                                                                                                          |        | Ø 40 mm                  | ZA2BS944  | 0.065     |
| Selector switches (3),<br>standard handle<br>(Not to be used with XENG●●●●<br>contact blocks)                            | Black  | 2 position, stay put     | ZA2BD2    | 0.018     |
|                                                                                                                          |        | 3 position, stay put (4) | ZA2BD3    | 0.018     |
| Key switches (2)<br>(key n° 455)<br>Key withdrawal in left and<br>right-hand position                                    | —      | 2 position, stay put     | ZA2BG4    | 0.042     |
|                                                                                                                          |        | 3 position, stay put (4) | ZA2BG5    | 0.042     |
| Key switch (2)<br>(key n° 455)<br>Key withdrawal in left-hand<br>position                                                | —      | 2 position, stay put     | ZA2BG2    | 0.042     |
|                                                                                                                          |        | 2-position               | ZA2BG6    | 0.042     |
| Key switch (4) (2)<br>(key n° 455)<br>Key withdrawal in centre<br>position                                               | —      | 3 position, stay put     | ZA2BG3    | 0.042     |
|                                                                                                                          |        | —                        | —         | —         |
| Wobblesticks (5)<br>Operates in all directions for<br>fast stop                                                          | Black  | —                        | ZA2BB2    | 0.060     |
|                                                                                                                          | Red    | —                        | ZA2BB4    | 0.060     |

DF539493



ZA2BS944

530245



ZA2BD●

530246



ZA2BG●

DF565529



ZA2BB●

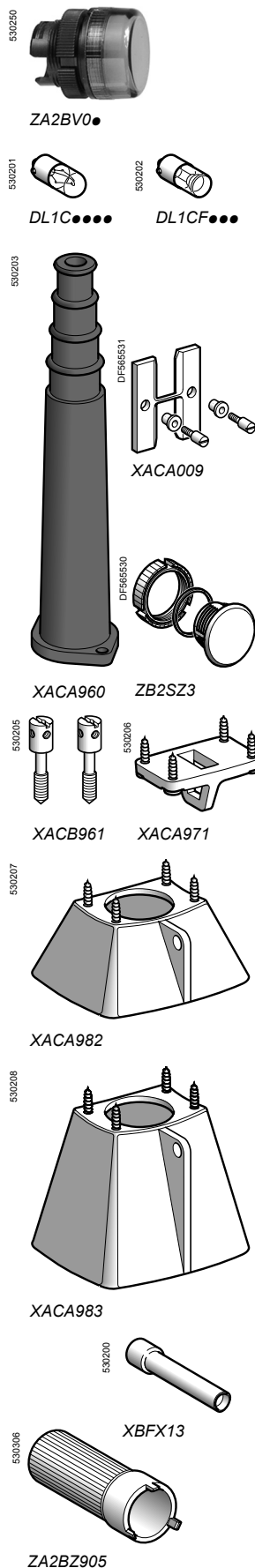
(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

(2) Other key numbers available on request, please consult our Customer Care Centre.

(3) Selector switches available with other mechanical functions, please consult our Customer Care Centre.

(4) Only suitable for front mounting.

(5) Base mounting recommended.



## Pilot light heads

| Description                            | Colour | Reference | Weight kg |
|----------------------------------------|--------|-----------|-----------|
| <b>For use with incandescent bulbs</b> |        |           |           |
| Lens cap with bezel and fixing nut     | White  | ZA2BV01   | 0.015     |
|                                        | Green  | ZA2BV03   | 0.015     |
|                                        | Red    | ZA2BV04   | 0.015     |
|                                        | Yellow | ZA2BV05   | 0.015     |
|                                        | Blue   | ZA2BV06   | 0.015     |
|                                        | Clear  | ZA2BV07   | 0.015     |
|                                        |        |           |           |
| <b>For use with neon bulbs</b>         |        |           |           |
| Lens cap with bezel and fixing nut     | Green  | ZA2BV033  | 0.015     |
|                                        | Red    | ZA2BV043  | 0.015     |
|                                        | Yellow | ZA2BV053  | 0.015     |
|                                        | Clear  | ZA2BV073  | 0.015     |

## Bulbs

| Description                                                                                             | Voltage | Sold in lots of | Unit reference | Weight kg |
|---------------------------------------------------------------------------------------------------------|---------|-----------------|----------------|-----------|
| Incandescent<br>BA 9s base fitting<br>Maximum power: 2.6 W<br>Maximum Ø: 11 mm<br>Maximum length: 28 mm | 6 V     | 10              | DL1CB006       | 0.002     |
|                                                                                                         | 12 V    | 10              | DL1CE012       | 0.002     |
|                                                                                                         | 24 V    | 10              | DL1CE024       | 0.002     |
|                                                                                                         | 48 V    | 10              | DL1CE048       | 0.002     |
|                                                                                                         | 130 V   | 10              | DL1CE130       | 0.002     |
| Neon<br>BA 9s base fitting<br>Maximum power: 2.6 W<br>Maximum Ø: 11 mm<br>Maximum length: 28 mm         | 110 V   | 10              | DL1CF110       | 0.002     |
|                                                                                                         | 230 V   | 10              | DL1CF220       | 0.002     |
|                                                                                                         | 400 V   | 10              | DL1CF380       | 0.002     |

## Complementary accessories, tools

| Description                                 | Reference                                                               | Weight kg      |
|---------------------------------------------|-------------------------------------------------------------------------|----------------|
| Protective cable sleeve                     | For cable Ø 8 to 22 mm                                                  | XACA950 0.070  |
|                                             | For cable Ø 8 to 26 mm                                                  | XACA960 0.090  |
| Mechanical interlock for 2 operators        | With fixing screws                                                      | XACA009 0.003  |
| Blanking plug                               | With seal and fixing nut                                                | ZB2SZ3 0.005   |
| Tightening tool for fixing nut              | –                                                                       | ZA2BZ905 0.060 |
| Adaptor for self-supporting cable type BBAP | Mounted with protective sleeve for cable Ø 8 to 26 mm                   | XACB961 0.025  |
| Lower support ring                          | –                                                                       | XACA971 0.010  |
| Protective guards for base mounted units    | For selector switch (standard handle) or Emergency stop head pushbutton | XACA982 0.025  |
|                                             | For key switch or key release latching Emergency stop head pushbutton   | XACA983 0.045  |
| Bulb extractor                              | For BA 9s base fitting bulbs                                            | XBFX13 0.025   |

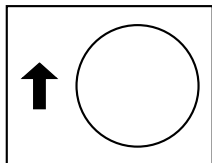
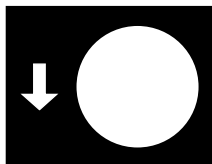
# Pendant control stations

Double insulated, type XACA

For control circuits

Legends 30 x 40 mm with symbols conforming to NF E 52-124

530209

White background,  
black symbolBlack background,  
white symbolRed background,  
white symbol

3

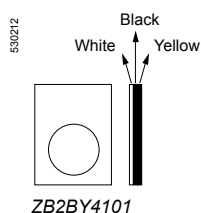
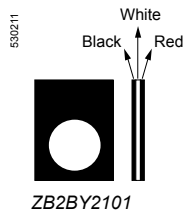
| Function<br>Symbol        | Reference | Weight<br>kg | Function<br>Symbol       | Reference | Weight<br>kg |
|---------------------------|-----------|--------------|--------------------------|-----------|--------------|
| Raise, slow<br>           | ZB2BY4901 | 0.001        | Lower, slow<br>          | ZB2BY2904 | 0.001        |
| Raise, fast<br>           | ZB2BY4902 | 0.001        | Lower, fast<br>          | ZB2BY2905 | 0.001        |
| Raise, slow-fast<br>      | ZB2BY4903 | 0.001        | Lower, slow-fast<br>     | ZB2BY2906 | 0.001        |
| Right, slow<br>           | ZB2BY4907 | 0.001        | Left, slow<br>           | ZB2BY2910 | 0.001        |
| Right, fast<br>           | ZB2BY4908 | 0.001        | Left, fast<br>           | ZB2BY2911 | 0.001        |
| Right, slow-fast<br>      | ZB2BY4909 | 0.001        | Left, slow-fast<br>      | ZB2BY2912 | 0.001        |
| Forward, slow<br>         | ZB2BY4913 | 0.001        | Reverse, slow<br>        | ZB2BY2916 | 0.001        |
| Forward, fast<br>         | ZB2BY4914 | 0.001        | Reverse, fast<br>        | ZB2BY2917 | 0.001        |
| Forward, slow-fast<br>    | ZB2BY4915 | 0.001        | Reverse, slow-fast<br>   | ZB2BY2918 | 0.001        |
| Slew right, slow<br>      | ZB2BY4919 | 0.001        | Slew left, slow<br>      | ZB2BY2922 | 0.001        |
| Slew right, fast<br>      | ZB2BY4920 | 0.001        | Slew left, fast<br>      | ZB2BY2923 | 0.001        |
| Slew right, slow-fast<br> | ZB2BY4921 | 0.001        | Slew left, slow-fast<br> | ZB2BY2924 | 0.001        |
| Slow<br>                  | ZB2BY4933 | 0.001        | Fast<br>                 | ZB2BY4934 | 0.001        |
| Klaxon<br>                | ZB2BY4932 | 0.001        | Start-Klaxon<br>         | ZB2BY4935 | 0.001        |
| Start<br>                 | ZB2BY4930 | 0.001        | Stop<br>                 | ZB2BY2931 | 0.001        |

# Pendant control stations

Double insulated, type XACA

For control circuits

Legends 30 x 40 mm



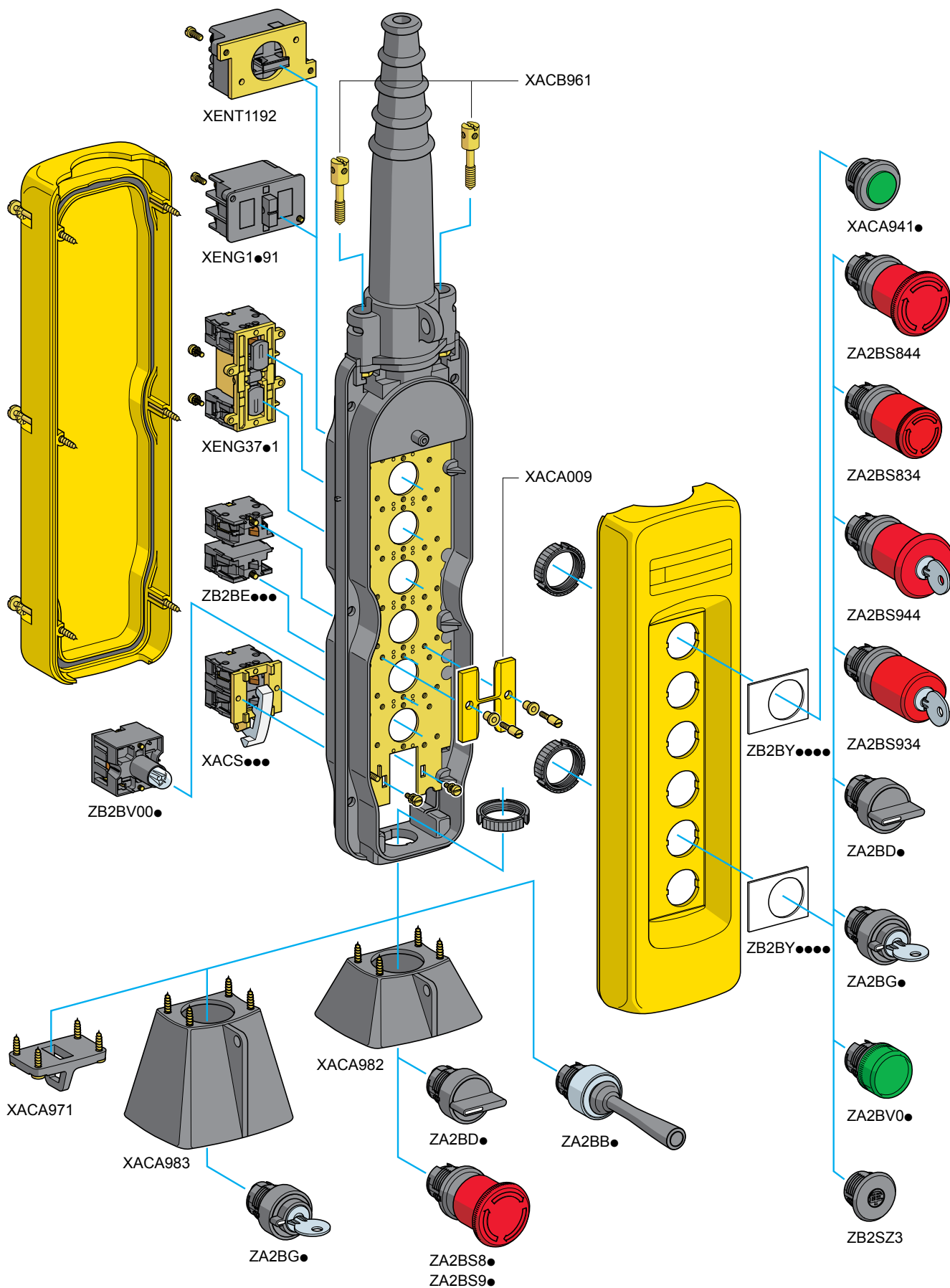
| Text                                                                                                                                                                | Reference                                                                          | Weight<br>kg | Text                                  | Reference | Weight<br>kg |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|---------------------------------------|-----------|--------------|
| <ul style="list-style-type: none"> <li>Start functions: white characters on black background</li> <li>Stop functions: white characters on red background</li> </ul> |                                                                                    |              |                                       |           |              |
| <b>Blank</b>                                                                                                                                                        |                                                                                    |              |                                       |           |              |
| Black or red background                                                                                                                                             | ZB2BY2101                                                                          | 0.001        | White or yellow background            | ZB2BY4101 | 0.001        |
| <b>With English text</b>                                                                                                                                            |                                                                                    |              | <b>With French text</b>               |           |              |
| <b>For pushbuttons</b>                                                                                                                                              |                                                                                    |              | <b>For pushbuttons</b>                |           |              |
| Start                                                                                                                                                               | ZB2BY2303                                                                          | 0.001        | Marche                                | ZB2BY2103 | 0.001        |
| Stop                                                                                                                                                                | ZB2BY2304                                                                          | 0.001        | Arrêt                                 | ZB2BY2104 | 0.001        |
| Forward                                                                                                                                                             | ZB2BY2305                                                                          | 0.001        | Avant                                 | ZB2BY2105 | 0.001        |
| Reverse                                                                                                                                                             | ZB2BY2306                                                                          | 0.001        | Arrière                               | ZB2BY2106 | 0.001        |
| Up                                                                                                                                                                  | ZB2BY2307                                                                          | 0.001        | Montée                                | ZB2BY2107 | 0.001        |
| Down                                                                                                                                                                | ZB2BY2308                                                                          | 0.001        | Descente                              | ZB2BY2108 | 0.001        |
| Right                                                                                                                                                               | ZB2BY2309                                                                          | 0.001        | Droite                                | ZB2BY2109 | 0.001        |
| Left                                                                                                                                                                | ZB2BY2310                                                                          | 0.001        | Gauche                                | ZB2BY2110 | 0.001        |
| On                                                                                                                                                                  | ZB2BY2311                                                                          | 0.001        | En service                            | ZB2BY2111 | 0.001        |
| Off                                                                                                                                                                 | ZB2BY2312                                                                          | 0.001        | Hors service                          | ZB2BY2112 | 0.001        |
| Power on                                                                                                                                                            | ZB2BY2326                                                                          | 0.001        | Sous tension                          | ZB2BY2126 | 0.001        |
| Slow                                                                                                                                                                | ZB2BY2327                                                                          | 0.001        | Lent                                  | ZB2BY2127 | 0.001        |
| Fast                                                                                                                                                                | ZB2BY2328                                                                          | 0.001        | Vite                                  | ZB2BY2128 | 0.001        |
| Klaxon                                                                                                                                                              | ZB2BY2125                                                                          | 0.001        | Klaxon                                | ZB2BY2125 | 0.001        |
| <b>For selector switches</b>                                                                                                                                        |                                                                                    |              | <b>For selector switches</b>          |           |              |
| –                                                                                                                                                                   | –                                                                                  | 0.001        | Arrêt-Marche                          | ZB2BY2166 | –            |
| Off-On                                                                                                                                                              | ZB2BY2367                                                                          | 0.001        | Hors-en                               | ZB2BY2167 | 0.001        |
| <b>With special texts</b>                                                                                                                                           |                                                                                    |              |                                       |           |              |
| <ul style="list-style-type: none"> <li>Specify text when ordering.</li> <li>2 lines maximum, 11 characters per line.</li> </ul>                                     |                                                                                    |              |                                       |           |              |
| White characters on black background                                                                                                                                | ZB2BY2002                                                                          | 0.001        | Black characters on white background  | ZB2BY4001 | 0.001        |
| White characters on red background                                                                                                                                  | ZB2BY2004                                                                          | 0.001        | Black characters on yellow background | ZB2BY4005 | 0.001        |
| <b>Other versions</b>                                                                                                                                               | Legends with texts in other languages.<br>Please consult our Customer Care Centre. |              |                                       |           |              |

# Pendant control stations

Double insulated, type XACA

For control circuits

Variable composition stations, factory assembled

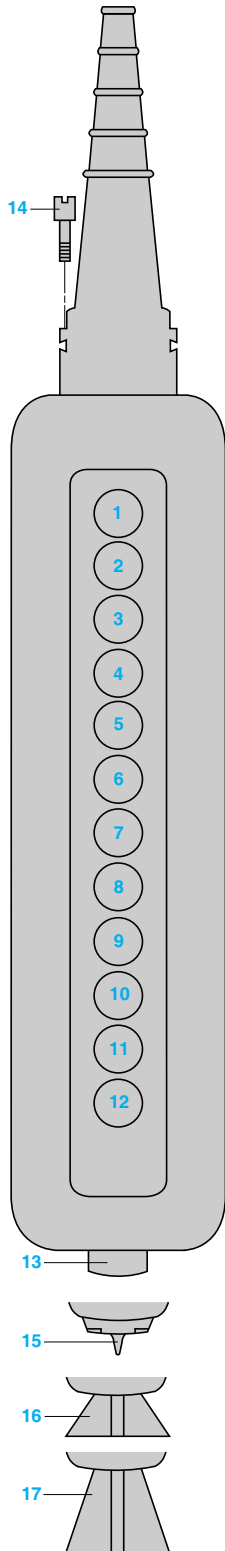


# Pendant control stations

Double insulated, type XACA

For control circuits

Variable composition stations, factory assembled



| Customer |          |               | Schneider Electric Industries |          |
|----------|----------|---------------|-------------------------------|----------|
| Company  | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
|          |          |               |                               |          |

Enter the order with XACA09 reference

|                                                 |                              |                     |
|-------------------------------------------------|------------------------------|---------------------|
| Unit reference of empty enclosure, see page 3/5 | Number of identical stations | Enclosure price (1) |
| XAC A                                           |                              |                     |

| Legends<br>see page 3/10 |            | Contact blocks or pilot light<br>bodies<br>see page 3/6 |            | Operating heads<br>or pilot light heads<br>or blanking plug<br>see page 3/8 |            | Total price |
|--------------------------|------------|---------------------------------------------------------|------------|-----------------------------------------------------------------------------|------------|-------------|
| Reference                | Unit price | Reference                                               | Unit price | Reference                                                                   | Unit price |             |
| 1                        |            |                                                         |            |                                                                             |            |             |
| 2                        |            |                                                         |            |                                                                             |            |             |
| 3                        |            |                                                         |            |                                                                             |            |             |
| 4                        |            |                                                         |            |                                                                             |            |             |
| 5                        |            |                                                         |            |                                                                             |            |             |
| 6                        |            |                                                         |            |                                                                             |            |             |
| 7                        |            |                                                         |            |                                                                             |            |             |
| 8                        |            |                                                         |            |                                                                             |            |             |
| 9                        |            |                                                         |            |                                                                             |            |             |
| 10                       |            |                                                         |            |                                                                             |            |             |
| 11                       |            |                                                         |            |                                                                             |            |             |
| 12                       |            |                                                         |            |                                                                             |            |             |

Unit mounted in base of enclosure (if required) (Except when using XACA03 and XACA05)

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 13 |  |  |  |  |  |  |
|----|--|--|--|--|--|--|

Complementary accessories, see page 3/9 (cross the appropriate box or boxes)

| Description                                                                                              | <input checked="" type="checkbox"/> | Reference | Unit price |
|----------------------------------------------------------------------------------------------------------|-------------------------------------|-----------|------------|
| 14 Adaptor for self-supporting cable type BBAP for use with cable entry sleeve Ø 8 to 26 mm              |                                     | XACB961   |            |
| 15 Lower support ring                                                                                    |                                     | XACA971   |            |
| 16 Protective guard for selector switch (std. handle) or Emergency stop head pushbutton, mounted in base |                                     | XACA982   |            |
| 17 Protective guard for key switch or key release Emergency stop head pushbutton, mounted in base        |                                     | XACA983   |            |

Mechanical interlocking (2)

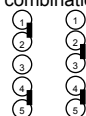
| Reference                                      | Quantity | Unit price                                                      |
|------------------------------------------------|----------|-----------------------------------------------------------------|
| XACA009                                        |          |                                                                 |
| Factory assembly:                              |          | Additional cost XAC9VA for fitting of 1 head or 1 blanking plug |
| Number of heads or blanking plugs to be fitted |          |                                                                 |
|                                                |          | X                                                               |

Total price of assembled pendant station

(1) Obtain the empty enclosure price.

(2) Connect with a line the 2 ways which require mechanical interlocking.

Examples: combinations possible

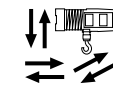
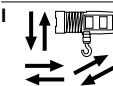


Combinations not possible



Pendant control stations  
Double insulated, type XACB  
For control circuits  
Complete stations “ready for use”  
(with snap action contact blocks)

For control of single-speed motors

| Functions                                                                           | Number of operators                        | Contact blocks and scheme<br>Per direction                                                                             | Reference | Weight<br>kg |
|-------------------------------------------------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------|-----------|--------------|
|    | 2<br>without<br>mechanical<br>interlocking | 1 C/O snap action<br>XESB2011<br>   | XACB281   | 0.850        |
|    | 4<br>without<br>mechanical<br>interlocking | 1 C/O snap action<br>XESB2011<br>   | XACB481   | 1.100        |
|  | 6<br>without<br>mechanical<br>interlocking | 1 C/O snap action<br>XESB2011<br> | XACB681   | 1.300        |
|  | 8<br>without<br>mechanical<br>interlocking | 1 C/O snap action<br>XESB2011<br> | XACB881   | 1.550        |

DF56556



XACB481

DF56554



XACB281

DF56567



XACB881

DF56566



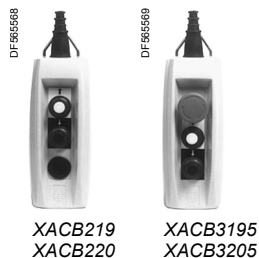
XACB681

# Pendant control stations

Double insulated, type XACB

For power circuits (direct switching)

Complete stations "ready for use"



## For control of single-speed motors

| Functions | Number of operators                                                                                                           | Contact blocks<br>Per direction | For Emergency stop            | Maximum operational power/400 V | Reference         | Weight kg |
|-----------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------|-----------|
|           | 2 mechanically interlocked                                                                                                    | 2-pole<br>XESD1191(1)           | —                             | 2.2 kW                          | <b>XACB219</b>    | 0.355     |
|           |                                                                                                                               | 3-pole<br>XESD2201(1)           | —                             | 3 kW                            | <b>XACB220</b>    | 0.355     |
|           | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844                               | 2-pole<br>XESD1191(1)           | 1 N/C + N/C + N/C<br>XACS499  | 2.2 kW                          | <b>XACB3195 ▲</b> | 0.940     |
|           |                                                                                                                               | 3-pole<br>XESD2201(1)           | 1 N/C + N/C + N/C<br>XACS499  | 3 kW                            | <b>XACB3205 ▲</b> | 1.000     |
|           | 4 mechanically interlocked between pairs                                                                                      | 2-pole<br>XESD1191(1)           | —                             | 2.2 kW                          | <b>XACB491</b>    | 1.200     |
|           |                                                                                                                               | 3-pole<br>XESD2201(1)           | —                             | 3 kW                            | <b>XACB493</b>    | 1.330     |
|           | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844                 | 2-pole<br>XESD1191(1)           | 1 N/C + N/C + N/C<br>XACS499  | 2.2 kW                          | <b>XACB4916 ▲</b> | 1.260     |
|           |                                                                                                                               | 3-pole<br>XESD2201(1)           | 1 N/C + N/C + N/C<br>XACS499  | 3 kW                            | <b>XACB4936 ▲</b> | 1.390     |
|           | 4 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 mounted in base | 2-pole<br>XESD1191(1)           | 1 N/C + N/C + N/C<br>XACS3991 | 2.2 kW                          | <b>XACB4915 ▲</b> | 1.350     |
|           |                                                                                                                               | 3-pole<br>XESD2201(1)           | 1 N/C + N/C + N/C<br>XACS3991 | 3 kW                            | <b>XACB4935 ▲</b> | 1.480     |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

▲ Available 4<sup>th</sup> quarter of 2013

# Pendant control stations

Double insulated, type XACB

For power circuits (direct switching)

Complete stations "ready for use"

DF565573

XACB691  
XACB693

DF565574

XACB6916  
XACB6936

DF565575

XACB6915  
XACB6935

DF565576



XACB229

DF565577



XACB3295

## For control of single-speed motors (continued)

| Functions                                                                           | Number of operators                                                                                                           | Contact blocks<br>Per direction | For Emergency stop            | Maximum operational power/400 V | Reference         | Weight kg |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------|---------------------------------|-------------------|-----------|
|    | 6 mechanically interlocked between pairs                                                                                      | 2-pole<br>XESD1191(1)           | —                             | 2.2 kW                          | <b>XACB691</b>    | 1.350     |
|                                                                                     |                                                                                                                               | 3-pole<br>XESD2201(1)           | —                             | 3 kW                            | <b>XACB693</b>    | 1.550     |
|    | 6 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844                 | 2-pole<br>XESD1191(1)           | 1 N/C + N/C + N/C<br>XACS499  | 2.2 kW                          | <b>XACB6916 ▲</b> | 1.410     |
|                                                                                     |                                                                                                                               | 3-pole<br>XESD2201(1)           | 1 N/C + N/C + N/C<br>XACS499  | 3 kW                            | <b>XACB6936 ▲</b> | 1.610     |
|  | 6 mechanically interlocked between pairs + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 mounted in base | 2-pole<br>XESD1191(1)           | 1 N/C + N/C + N/C<br>XACS3991 | 2.2 kW                          | <b>XACB6915 ▲</b> | 1.500     |
|                                                                                     |                                                                                                                               | 3-pole<br>XESD2201(1)           | 1 N/C + N/C + N/C<br>XACS3991 | 3 kW                            | <b>XACB6935 ▲</b> | 1.700     |

## For control of 2-speed motors

| Functions                                                                           | Number of operators                                                                             | Contact blocks<br>Per direction | For Emergency stop           | Maximum operational power/400 V | Reference         | Weight kg |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|---------------------------------|-------------------|-----------|
|  | 2 mechanically interlocked                                                                      | 2-pole<br>XESD1291(1)           | —                            | 2.2 kW                          | <b>XACB229</b>    | 0.405     |
|  | 2 mechanically interlocked + 1 trigger action latching Emergency stop Ø 40 mm operator ZA2BS844 | 2-pole<br>XESD1291(1)           | 1 N/C + N/C + N/C<br>XACS499 | 2.2 kW                          | <b>XACB3295 ▲</b> | 0.990     |
|                                                                                     |                                                                                                 | 2-pole<br>XESD1291(1)           | 1 N/C + N/C + N/C<br>XACS499 | 2.2 kW                          | <b>XACB3295 ▲</b> | 0.990     |

(1) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

▲ Available 4<sup>th</sup> quarter of 2013

# Pendant control stations

Double insulated, type XACB

For control or power circuits

Empty enclosures

DF565580



XACB02●●

22190SE



XACB04●●

DF565582



XACB06●●

22190SE



XACB08●●

DF565584



XACB12●●

DF565585



XACB120

## Empty enclosures for control circuits or power circuits (1)

| Description                                                                                                             | Protective cable sleeve   | Number of cut-outs | Cut-out in base of enclosure | Reference | Weight kg |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|------------------------------|-----------|-----------|
| Empty enclosures (1)<br>Double insulated for<br>"Small hoist" applications<br>Operator cut-out centres:<br>40 mm        | For cable<br>Ø 7...13 mm  | 2                  | Without                      | XACB020   | 0.760     |
|                                                                                                                         |                           | 3                  | Without                      | XACB030   | 0.760     |
| Empty enclosures (1)<br>Double insulated for<br>"General purpose"<br>applications<br>Operator cut-out centres:<br>40 mm | For cable<br>Ø 10...22 mm | 2                  | Without                      | XACB02    | 0.760     |
|                                                                                                                         |                           |                    | With                         | XACB021   | 0.760     |
|                                                                                                                         |                           | 4                  | Without                      | XACB04    | 1.000     |
|                                                                                                                         |                           |                    | With                         | XACB041   | 1.000     |
|                                                                                                                         |                           | 6                  | Without                      | XACB06    | 1.160     |
|                                                                                                                         |                           |                    | With                         | XACB061   | 1.160     |
|                                                                                                                         |                           | 8                  | Without                      | XACB08    | 1.330     |
|                                                                                                                         |                           |                    | With                         | XACB081   | 1.330     |
|                                                                                                                         |                           | 12 in 2 rows of 6  | Without                      | XACB12    | 1.460     |
|                                                                                                                         |                           |                    | With                         | XACB121   | 1.460     |
|                                                                                                                         | For cable<br>Ø 22...35 mm | 2                  | Without                      | XACB025   | 0.960     |
|                                                                                                                         |                           |                    | With                         | XACB0215  | 0.960     |
|                                                                                                                         |                           | 4                  | Without                      | XACB045   | 1.200     |
|                                                                                                                         |                           |                    | With                         | XACB0415  | 1.200     |
|                                                                                                                         |                           | 6                  | Without                      | XACB065   | 1.360     |
|                                                                                                                         |                           |                    | With                         | XACB0615  | 1.360     |
|                                                                                                                         |                           | 8                  | Without                      | XACB085   | 1.530     |
|                                                                                                                         |                           |                    | With                         | XACB0815  | 1.530     |
|                                                                                                                         |                           | 12 in 2 rows of 6  | Without                      | XACB125   | 1.660     |
|                                                                                                                         |                           |                    | With                         | XACB1215  | 1.660     |

## Empty enclosures for control circuits (1)

| Description                                                                                                             | Protective cable sleeve   | Number of cut-outs | Cut-out in base of enclosure | Reference | Weight kg |
|-------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------------|------------------------------|-----------|-----------|
| Empty enclosures (1)<br>Double insulated for<br>"General purpose"<br>applications<br>Operator cut-out centres:<br>30 mm | For cable<br>Ø 10...22 mm | 12 in 1 row        | Without                      | XACB120   | 1.330     |
|                                                                                                                         |                           |                    | With                         | XACB1201  | 1.330     |
|                                                                                                                         | For cable<br>Ø 22...35 mm | 12 in 1 row        | Without                      | XACB1205  | 1.530     |
|                                                                                                                         |                           |                    | With                         | XACB12015 | 1.530     |

## Variable composition stations, factory assembled

Use the order form on page 3/31 to define the required configuration

**Equipment:** contact blocks, operating heads (control and signalling), complementary accessories

See separate components,  
pages 3/18 to 3/29

(1) Enclosure comprising:

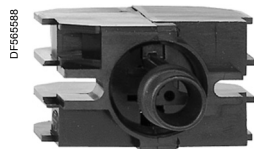
- the enclosure,
- protective cable sleeve,
- cable tie (for tightening sleeve onto cable): for cable Ø 7...13 mm, Ø 10...22 mm or Ø 22...35 mm,
- internal cable clamp,
- suspension ring,
- bezel tightening key.

# Pendant control stations

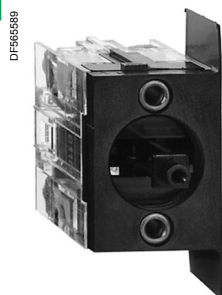
Double insulated, type XACB

For control circuits

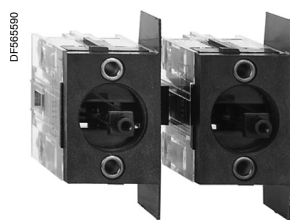
Separate components and spare parts



XENC1111



XENB1181



XEND2611

## Contact blocks for front mounting, slow break

| Description                                                                  | Application  | Function                         | Scheme | Operator centres<br>mm | Reference       | Weight<br>kg |
|------------------------------------------------------------------------------|--------------|----------------------------------|--------|------------------------|-----------------|--------------|
| <b>Spring return</b>                                                         |              |                                  |        |                        |                 |              |
| <b>Single block</b><br>1 spring return operator                              | Single-speed | N/O                              |        | 30 or 40               | <b>XENC1111</b> | 0.020        |
|                                                                              |              | N/C                              |        | 30 or 40               | <b>XENC1121</b> | 0.020        |
|                                                                              |              | N/O + N/O                        |        | 30 or 40               | <b>XENC1131</b> | 0.020        |
|                                                                              |              | N/C + N/C                        |        | 30 or 40               | <b>XENC1141</b> | 0.020        |
|                                                                              |              | N/C + N/O                        |        | 30 or 40               | <b>XENC1151</b> | 0.020        |
|                                                                              |              | C/O + N/O                        |        | 30 or 40               | <b>XENB1491</b> | 0.050        |
|                                                                              | 2-speed      | 2 step<br>N/O + N/O<br>staggered |        | 30 or 40               | <b>XENB1181</b> | 0.050        |
|                                                                              |              | 2 step<br>C/O + N/O<br>staggered |        | 30 or 40               | <b>XENB1191</b> | 0.050        |
|                                                                              |              |                                  |        |                        |                 |              |
| <b>Double block</b><br>2 spring return operators<br>mechanically interlocked | Single-speed | N/O + N/O<br>simultaneous        |        | 30                     | <b>XEND1611</b> | 0.110        |
|                                                                              |              |                                  |        | 40 (1)                 | <b>XEND2611</b> | 0.110        |
|                                                                              | 2-speed      | 2 step<br>N/O + N/O<br>staggered |        | 30                     | <b>XEND1621</b> | 0.110        |
|                                                                              |              |                                  |        | 40 (1)                 | <b>XEND2621</b> | 0.110        |

(1) These contact blocks cannot be mounted in enclosures XACB120● (12 operators in 1 row).

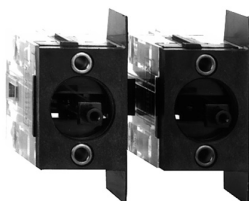
# Pendant control stations

Double insulated, type XACB

For control circuits

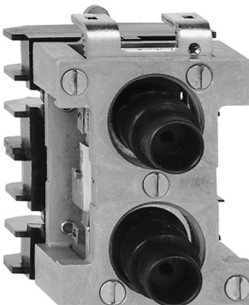
Separate components and spare parts

DF565593



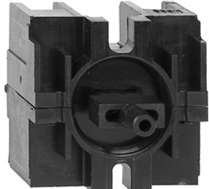
XEND2641

DF565592



XEND3801

DF565591



XESB2011

DF565594



XESD1181

## Contact blocks for front mounting, slow break (continued)

| Description                                                                  | Application Function                        | Scheme | Operator centres<br>mm | Reference       | Weight<br>kg |
|------------------------------------------------------------------------------|---------------------------------------------|--------|------------------------|-----------------|--------------|
| <b>Spring return (continued)</b>                                             |                                             |        |                        |                 |              |
| <b>Double block</b><br>2 spring return operators<br>mechanically interlocked | Single-speed C/O + N/O                      |        | 30                     | <b>XEND1631</b> | 0.110        |
|                                                                              |                                             |        | 40 (1)                 | <b>XEND2631</b> | 0.110        |
|                                                                              | 2-speed<br>2 step<br>C/O + N/O<br>staggered |        | 30                     | <b>XEND1641</b> | 0.110        |
|                                                                              |                                             |        | 40 (1)                 | <b>XEND2641</b> | 0.110        |

## Latching

|                                                                                    |                        |  |        |                 |       |
|------------------------------------------------------------------------------------|------------------------|--|--------|-----------------|-------|
| <b>Double block</b><br>1 latching operator released<br>by 1 spring return operator | Single-speed N/C + N/O |  | 30     | <b>XEND3801</b> | 0.170 |
|                                                                                    |                        |  | 40 (1) | <b>XEND4801</b> | 0.170 |
| <b>Double block</b><br>2 latching operators                                        | Single-speed N/C + N/O |  | 30     | <b>XEND3811</b> | 0.170 |
|                                                                                    |                        |  | 40 (1) | <b>XEND4811</b> | 0.170 |

## Contact blocks for front mounting, snap action

| Description                                                                  | Application Function              | Scheme | Operator centres<br>mm | Reference       | Weight<br>kg |
|------------------------------------------------------------------------------|-----------------------------------|--------|------------------------|-----------------|--------------|
| <b>Spring return</b>                                                         |                                   |        |                        |                 |              |
| <b>Single block</b><br>1 spring return operator (2)                          | Single-speed C/O                  |        | 40 (1)                 | <b>XESB2011</b> | 0.030        |
| <b>Double block</b><br>2 spring return operators<br>mechanically interlocked | Single-speed C/O                  |        | 40 (1)                 | <b>XESD1181</b> | 0.140        |
|                                                                              | 2-speed<br>C/O + N/O<br>staggered |        | 40 (1)                 | <b>XESD1281</b> | 0.190        |

(1) These contact blocks cannot be mounted in enclosures XACB120● (12 operators in 1 row).

(2) Only for mounting with operators XACB91●●.

# Pendant control stations

Double insulated, type XACB

For control circuits

Separate components and spare parts



XACS41●

## Contact blocks for front mounting (1)

| Description                                                               | Function  | Scheme | Reference      | Weight<br>kg |
|---------------------------------------------------------------------------|-----------|--------|----------------|--------------|
| <b>Spring return</b><br><b>Slow break</b><br>Operator centres 30 or 40 mm | N/O       |        | <b>XACS411</b> | 0.070        |
|                                                                           | N/C       |        | <b>XACS412</b> | 0.070        |
|                                                                           | N/O + N/O |        | <b>XACS413</b> | 0.070        |
|                                                                           | N/C + N/C |        | <b>XACS414</b> | 0.070        |
|                                                                           | N/C + N/O |        | <b>XACS415</b> | 0.070        |

## Contact blocks for base mounting (1)

| Description                               | Function  | Scheme | Reference       | Weight<br>kg |
|-------------------------------------------|-----------|--------|-----------------|--------------|
| <b>Spring return</b><br><b>Slow break</b> | N/O       |        | <b>XACS4111</b> | 0.100        |
|                                           | N/C       |        | <b>XACS4121</b> | 0.100        |
|                                           | N/O + N/O |        | <b>XACS4131</b> | 0.100        |
|                                           | N/C + N/C |        | <b>XACS4141</b> | 0.100        |
|                                           | N/C + N/O |        | <b>XACS4151</b> | 0.100        |

## Pilot light bodies for front mounting

| Description                                                                                      | Supply voltage | Scheme | Reference     | Weight<br>kg |
|--------------------------------------------------------------------------------------------------|----------------|--------|---------------|--------------|
| <b>Direct supply</b><br>Bulb not included (2)                                                    | ≤ 400 V        |        | <b>XACV06</b> | 0.050        |
| <b>Direct supply, through resistor</b><br>Incandescent BA 9s base fitting<br>130 V bulb included | 230 V          |        | <b>XACV07</b> | 0.055        |

(1) Mounting with operating heads ZA2B●●● (see page 3/23).

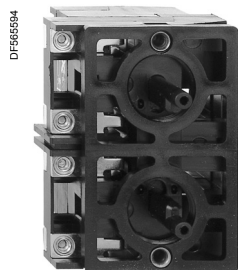
(2) Bulb type for use with direct supply units: BA 9s base fitting incandescent bulb  $U \leq 130$  V or neon bulb  $110$  V  $\leq U \leq 400$  V. Maximum power: 2.6 W, maximum  $\varnothing$ : 11 mm, maximum length: 26 mm. See page 3/25.

# Pendant control stations

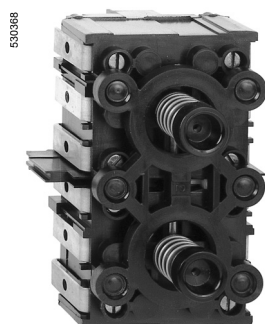
Double insulated, type XACB

For power circuits (direct switching)

Separate components and spare parts



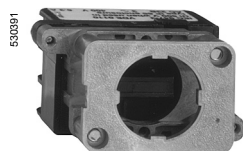
XESD1191



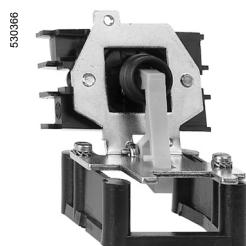
XESD2201



XACS399



XACS499



XACS3991

## Contact blocks, snap action

| Description                                                                                                | Application  | Function                                                   | Max. power/400 V | Scheme | Reference | Weight kg |
|------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------|------------------|--------|-----------|-----------|
| <b>Double block 2-pole</b><br>2 spring return operators mechanically interlocked (operator centres: 40 mm) | Single-speed | N/O + N/O                                                  | 2.2 kW           |        | XESD1191  | 0.140     |
|                                                                                                            | 2-speed      | N/O + N/O + 1 C/O staggered auxiliary contact (1)          | 2.2 kW           |        | XESD1291  | 0.190     |
| <b>Double block 3-pole</b><br>2 spring return operators mechanically interlocked (operator centres: 40 mm) | Single-speed | N/O + N/O + N/O                                            | 3 kW             |        | XESD2201  | 0.200     |
|                                                                                                            |              | N/O + N/O + N/O + 1 N/O simultaneous auxiliary contact (1) | 3 kW             |        | XESD2241  | 0.210     |
|                                                                                                            |              | N/O + N/O + N/O + 1 N/O staggered auxiliary contact (1)    | 3 kW             |        | XESD2251  | 0.210     |

## Isolating block, slow break

In the interests of safety, it is imperative that these isolating blocks only be used with a stay put or latching type operating head to ensure complete isolation when the pendant station is not in use.

| Mounting position                    | Application    | Function                                        | Max. power/400 V | Scheme | Reference | Weight kg |
|--------------------------------------|----------------|-------------------------------------------------|------------------|--------|-----------|-----------|
| <b>On front</b><br>40 mm centres (2) | Emergency stop | N/C + N/C + N/O with positive opening operation | 3 kW             |        | XACS399   | 0.100     |
| <b>On front</b><br>30 mm centres (2) | Emergency stop | N/C + N/C + N/O with positive opening operation | 3 kW             |        | XACS499   | 0.100     |
| <b>In base (3)</b>                   | Emergency stop | N/C + N/C + N/O with positive opening operation | 3 kW             |        | XACS3991  | 0.110     |

(1) Auxiliary contacts are slow break.

(2) Mounting with operating heads ZA2B●●●, except ZA2BD● and ZA2BG● (see page 3/23).

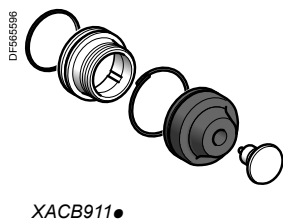
(3) Mounting with operating head ZA2BS944 (see page 3/23).

# Pendant control stations

Double insulated, type XACB

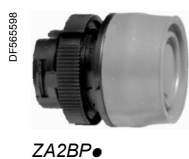
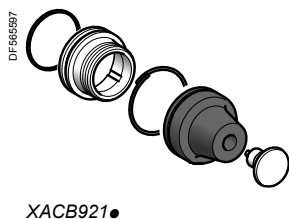
For control or power circuits

Separate components and spare parts



## Booted operators

| For use with contact block | Travel | Operating temperature | Colour of insert | Sold in lots of | Unit reference | Weight kg |
|----------------------------|--------|-----------------------|------------------|-----------------|----------------|-----------|
| XENB●●●●                   | 4 mm   | - 25...+ 70 °C<br>(1) | White            | 10              | XACB9111       | 0.005     |
| XENC●●●●                   |        |                       | Black            | 10              | XACB9112       | 0.005     |
| XEND●●●●                   |        |                       | Green            | 10              | XACB9113       | 0.005     |
| XESB2011                   |        |                       | Red              | 10              | XACB9114       | 0.005     |
| XESD2201                   |        |                       | Yellow           | 10              | XACB9115       | 0.005     |
| XESD2241                   |        |                       | Blue             | 10              | XACB9116       | 0.005     |
| XESD2251                   |        |                       | Brown            | 10              | XACB9119       | 0.005     |
|                            |        | - 40...+ 70 °C<br>(2) | White            | 10              | XACB9121       | 0.005     |
|                            |        |                       | Black            | 10              | XACB9122       | 0.005     |
|                            |        |                       | Green            | 10              | XACB9123       | 0.005     |
|                            |        |                       | Red              | 10              | XACB9124       | 0.005     |
|                            |        |                       | Yellow           | 10              | XACB9125       | 0.005     |
|                            |        |                       | Blue             | 10              | XACB9126       | 0.005     |
|                            |        |                       | Brown            | 10              | XACB9129       | 0.005     |
| XESD1181                   | 16 mm  | - 25...+ 70 °C<br>(1) | White            | 10              | XACB9211       | 0.005     |
| XESD1191                   |        |                       | Black            | 10              | XACB9212       | 0.005     |
| XESD1281                   |        |                       | Green            | 10              | XACB9213       | 0.005     |
| XESD1291                   |        |                       | Red              | 10              | XACB9214       | 0.005     |
|                            |        |                       | Yellow           | 10              | XACB9215       | 0.005     |
|                            |        |                       | Blue             | 10              | XACB9216       | 0.005     |
|                            |        |                       | Brown            | 10              | XACB9219       | 0.005     |
|                            |        | - 40...+ 70 °C<br>(2) | White            | 10              | XACB9221       | 0.005     |
|                            |        |                       | Black            | 10              | XACB9222       | 0.005     |
|                            |        |                       | Green            | 10              | XACB9223       | 0.005     |
|                            |        |                       | Red              | 10              | XACB9224       | 0.005     |
|                            |        |                       | Yellow           | 10              | XACB9225       | 0.005     |
|                            |        |                       | Blue             | 10              | XACB9226       | 0.005     |
|                            |        |                       | Brown            | 10              | XACB9229       | 0.005     |



## Booted operators (silicone boot)

| For use with contact block | Operating temperature | Colour of boot | Reference | Weight kg |
|----------------------------|-----------------------|----------------|-----------|-----------|
| XACS41●                    | - 25...+ 70 °C        | Black          | ZA2BP2    | 0.015     |
|                            |                       | Green          | ZA2BP3    | 0.015     |
|                            |                       | Red            | ZA2BP4    | 0.015     |
|                            |                       | Yellow         | ZA2BP5    | 0.015     |
|                            |                       | Blue           | ZA2BP6    | 0.015     |
|                            |                       |                |           |           |

(1) Polychloroprene boots.

(2) Silicone boots.

# Pendant control stations

Double insulated, type XACB

For control or power circuits

Separate components and spare parts



ZA2BS844



ZA2BS944



ZA2BD●



ZA2BG●



ZA2BB●



ZA2BV0●

## Operating heads for front or base mounting (1)

| Description                                                                                          | Colour | Type                     | Reference       | Weight<br>kg |
|------------------------------------------------------------------------------------------------------|--------|--------------------------|-----------------|--------------|
| <b>Trigger action latching Emergency stop (2)</b>                                                    | Red    | Ø 30 mm                  | <b>ZA2BS834</b> | 0.028        |
| Turn to release<br>(Emergency stop function)                                                         |        | Ø 40 mm                  | <b>ZA2BS844</b> | 0.033        |
| <b>Trigger action latching Emergency stop (2) (3)</b>                                                | Red    | Ø 30 mm                  | <b>ZA2BS934</b> | 0.060        |
| Key release (n° 455)<br>Key withdrawal in rest<br>(unactuated) position<br>(Emergency stop function) |        | Ø 40 mm                  | <b>ZA2BS944</b> | 0.065        |
| <b>Selector switches, standard handle (4)</b>                                                        | Black  | 2 position, stay put     | <b>ZA2BD2</b>   | 0.018        |
|                                                                                                      |        | 3 position, stay put (5) | <b>ZA2BD3</b>   | 0.018        |
| <b>Key switches</b><br>(key n° 455) (3)                                                              | —      | 2 position, stay put     | <b>ZA2BG4</b>   | 0.042        |
| Key withdrawal in left and<br>right-hand positions                                                   |        | 3 position, stay put (5) | <b>ZA2BG5</b>   | 0.042        |
| <b>Key switches</b><br>(key n° 455) (3)                                                              | —      | 2 position, stay put     | <b>ZA2BG2</b>   | 0.042        |
| Key withdrawal in left-hand<br>position                                                              |        |                          |                 |              |
| <b>Key switches</b><br>(key n° 455) (3)                                                              | —      | 2 position               | <b>ZA2BG6</b>   | 0.042        |
| Spring return from right to left<br>Key withdrawal in left-hand<br>position                          |        |                          |                 |              |
| <b>Key switches</b><br>(key n° 455) (4) (3)                                                          | —      | 3 position, stay put (5) | <b>ZA2BG3</b>   | 0.042        |
| Key withdrawal in centre<br>position                                                                 |        |                          |                 |              |
| <b>Wobblesticks (6)</b>                                                                              | Black  | —                        | <b>ZA2BB2</b>   | 0.060        |
| Operates in all directions for<br>fast stop                                                          | Red    | —                        | <b>ZA2BB4</b>   | 0.060        |

## Operating head for isolating block

| Description                                                                                                                            | Colour | Type    | Reference      | Weight<br>kg |
|----------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------------|--------------|
| <b>Mushroom head, latching</b><br>Key release (n° 455)<br>Key withdrawal in rest<br>(unactuated) position<br>(Emergency stop function) | Red    | Ø 40 mm | <b>ZA2BS14</b> | 0.065        |

## Pilot light heads

| Description                            | Colour | Reference       | Weight<br>kg |
|----------------------------------------|--------|-----------------|--------------|
| <b>For use with incandescent bulbs</b> |        |                 |              |
| <b>Lens cap with fixing bezel</b>      | White  | <b>ZA2BV01</b>  | 0.015        |
|                                        | Green  | <b>ZA2BV03</b>  | 0.015        |
|                                        | Red    | <b>ZA2BV04</b>  | 0.015        |
|                                        | Yellow | <b>ZA2BV05</b>  | 0.015        |
|                                        | Blue   | <b>ZA2BV06</b>  | 0.015        |
|                                        | Clear  | <b>ZA2BV07</b>  | 0.015        |
| <b>For use with neon bulbs</b>         |        |                 |              |
| <b>Lens cap with fixing bezel</b>      | Green  | <b>ZA2BV033</b> | 0.015        |
|                                        | Red    | <b>ZA2BV043</b> | 0.015        |
|                                        | Yellow | <b>ZA2BV053</b> | 0.015        |
|                                        | Clear  | <b>ZA2BV073</b> | 0.015        |

(1) The technical characteristics of pendant control stations XACB can only be guaranteed by using the operating heads ZA2B●● listed above.

(2) Trigger action mechanically latching Emergency stop pushbuttons conform to standards EN/IEC 60204-32, EN/ISO 13850, Machinery directive 98/37/EC and standard EN/IEC 60947-5-5.

(3) Other key numbers available on request, please consult our Customer Care Centre.

(4) Selector switches or key switches with other mechanical functions: please consult our Customer Care Centre.

(5) Only suitable for front mounting.

(6) Base mounting recommended.

# Pendant control stations

Double insulated, type XACB

For control circuits

Separate components and spare parts

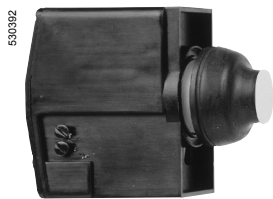


XEAC5361

## Pushbuttons with analogue output (1)

### Complete pushbuttons (body + operating head), non booted (2)

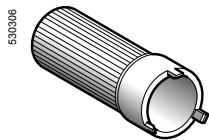
| Supply voltage | Contact block                                        | Reference | Weight<br>kg |
|----------------|------------------------------------------------------|-----------|--------------|
| 0...- 15 V     | N/C + N/O at start of travel<br>N/O at end of travel | XEAC15361 | 0.065        |
| 0...+ 15 V     | N/C + N/O at start of travel<br>N/O at end of travel | XEAC25361 | 0.065        |



XEAB5361

### Complete pushbuttons (body + operating head), booted (2)

| Supply voltage | Contact block                                        | Reference | Weight<br>kg |
|----------------|------------------------------------------------------|-----------|--------------|
| 0...- 15 V     | N/C + N/O at start of travel<br>N/O at end of travel | XEAB15361 | 0.065        |
| 0...+ 15 V     | N/C + N/O at start of travel<br>N/O at end of travel | XEAB25361 | 0.065        |



ZA2BZ905

## Mounting accessories

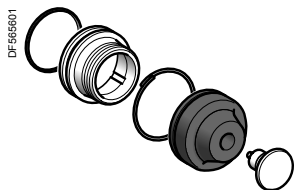
| Description                   | For use with | Reference | Weight<br>kg |
|-------------------------------|--------------|-----------|--------------|
| Tightening key for fixing nut | XEAC5361     | ZA2BZ905  | 0.060        |
|                               | XEAB5361     | XACX1     | 0.010        |



XACX1

## Separate components and spare parts

| Description                             | Colour of insert | Unit reference | Weight<br>kg |
|-----------------------------------------|------------------|----------------|--------------|
| Booted operator<br>(Sold in lots of 10) | White            | XACB9111       | 0.005        |
|                                         | Black            | XACB9112       | 0.005        |



XACB9112

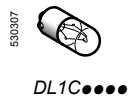
(1) Pushbuttons providing an analogue output signal proportional to the distance travelled by the pushbutton operator. For more information on the analogue output signal, see our schemes and curves and on our site [www.schneider-electric.com](http://www.schneider-electric.com).  
 (2) Pushbutton supplied with 1 white insert and 1 black insert.

# Pendant control stations

Double insulated, type XACB

For control or power circuits

Separate components and spare parts



| Bulbs                                                                                                          |         |                 |                |           |
|----------------------------------------------------------------------------------------------------------------|---------|-----------------|----------------|-----------|
| Description                                                                                                    | Voltage | Sold in lots of | Unit reference | Weight kg |
| <b>Incandescent</b><br>BA 9s base fitting<br>Maximum power: 2.6 W<br>Maximum Ø: 11 mm<br>Maximum length: 28 mm | 6 V     | 10              | DL1CB006       | 0.002     |
|                                                                                                                | 12 V    | 10              | DL1CE012       | 0.002     |
|                                                                                                                | 24 V    | 10              | DL1CE024       | 0.002     |
|                                                                                                                | 48 V    | 10              | DL1CE048       | 0.002     |
|                                                                                                                | 130 V   | 10              | DL1CE130       | 0.002     |
| <b>Neon</b><br>BA 9s base fitting<br>Maximum power: 2.6 W<br>Maximum Ø: 11 mm<br>Maximum length: 28 mm         | 120 V   | 10              | DL1CF110       | 0.002     |
|                                                                                                                | 230 V   | 10              | DL1CF220       | 0.002     |
|                                                                                                                | 400 V   | 10              | DL1CF380       | 0.002     |

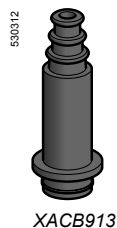
| Accessories for booted operators                                  |        |                  |                       |                 |                |           |
|-------------------------------------------------------------------|--------|------------------|-----------------------|-----------------|----------------|-----------|
| Description                                                       | Travel | Material/ Colour | Operating temperature | Sold in lots of | Unit reference | Weight kg |
| <b>Boots with circlip, without coloured insert</b>                | 4 mm   | Polychloroprene  | - 25...+ 70° C        | 10              | XACB911        | 0.002     |
|                                                                   |        | Silicone         | - 40...+ 70° C        | 10              | XACB912        | 0.002     |
|                                                                   | 16 mm  | Polychloroprene  | - 25...+ 70° C        | 10              | XACB921        | 0.002     |
|                                                                   |        | Silicone         | - 40...+ 70° C        | 10              | XACB922        | 0.002     |
| <b>Coloured inserts for booted operators (4 and 16 mm travel)</b> | White  | –                | –                     | 10              | XACB901        | 0.001     |
|                                                                   | Black  | –                | –                     | 10              | XACB902        | 0.001     |
|                                                                   | Green  | –                | –                     | 10              | XACB903        | 0.001     |
|                                                                   | Red    | –                | –                     | 10              | XACB904        | 0.001     |
|                                                                   | Yellow | –                | –                     | 10              | XACB905        | 0.001     |
|                                                                   | Blue   | –                | –                     | 10              | XACB906        | 0.001     |
|                                                                   | Brown  | –                | –                     | 10              | XACB909        | 0.001     |

# Pendant control stations

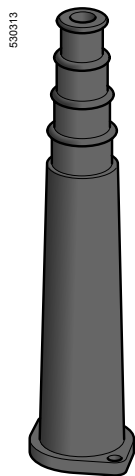
Double insulated, type XACB

For control or power circuits

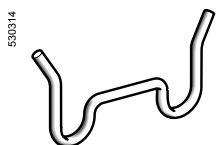
Separate components and spare parts



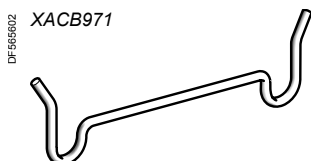
XACB913



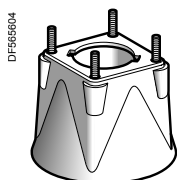
XACB960



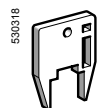
XACB971



XACB972



XACB982



XACX1



XACX905

## Complementary accessories

| Description                                                                         | For use with                                 | Diameter of cable | Reference      | Weight kg |
|-------------------------------------------------------------------------------------|----------------------------------------------|-------------------|----------------|-----------|
| <b>Protective cable sleeve</b><br>with cable tie (for tightening sleeve onto cable) | Enclosures XACB219 and XACB220 (2 operators) | Ø 7...13 mm       | <b>XACB913</b> | 0.065     |
|                                                                                     | Enclosures XACB●●● with 4 to 12 operators    | Ø 10...22 mm      | <b>XACB960</b> | 0.110     |
|                                                                                     |                                              | Ø 22...35 mm      | <b>XACB965</b> | 0.160     |
| <b>Blanking plug</b><br>with seal and fixing nut                                    | —                                            |                   | <b>ZB2SZ3</b>  | 0.005     |
| <b>Adaptor</b><br>for use with protective cable sleeve for cable Ø 10...22 mm       | Self-supporting cable type BBAP              |                   | <b>XACB961</b> | 0.025     |
| <b>Lower support ring</b>                                                           | Single row enclosures XACB                   |                   | <b>XACB971</b> | 0.015     |
|                                                                                     | 2 row enclosures XACB                        |                   | <b>XACB972</b> | 0.020     |
| <b>Protective guards</b><br>for base mounted units                                  | Emergency stop pushbutton                    |                   | <b>XACB982</b> | 0.050     |

## Tools

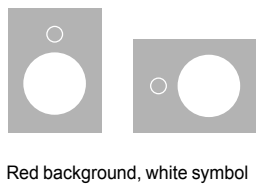
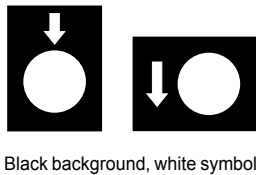
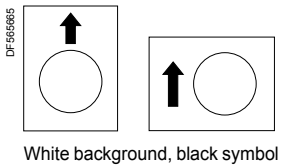
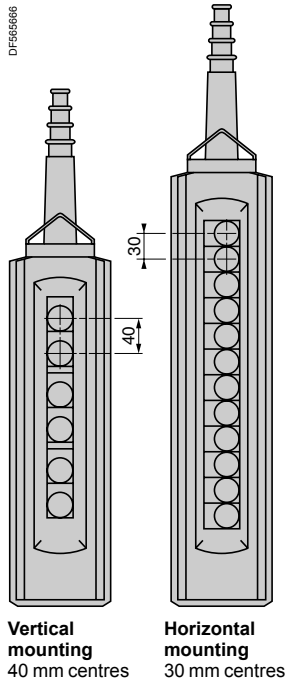
| Description           | For use with                       | Reference      | Weight kg |
|-----------------------|------------------------------------|----------------|-----------|
| <b>Tightening key</b> | Bezels                             | <b>XACX1</b>   | 0.010     |
|                       | Units mounted in base of enclosure | <b>XACX905</b> | 0.015     |
| <b>Bulb extractor</b> | BA 9s base fitting bulbs           | <b>XBFX13</b>  | 0.003     |

# Pendant control stations

Double insulated, type XACB

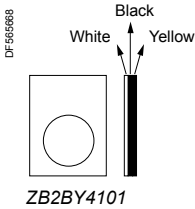
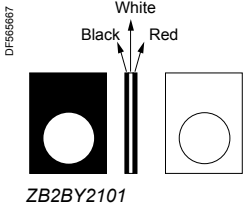
For control or power circuits

Legends 30 x 40 mm (with symbols conforming to NF E 52-124)



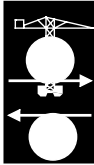
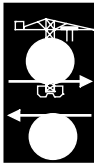
| Symbol Reference                   | Symbol | Reference                            | Weight kg | Symbol Reference                   | Symbol | Reference                            | Weight kg |
|------------------------------------|--------|--------------------------------------|-----------|------------------------------------|--------|--------------------------------------|-----------|
| Vertical mounting<br>40 mm centres |        | Horizontal mounting<br>30 mm centres |           | Vertical mounting<br>40 mm centres |        | Horizontal mounting<br>30 mm centres |           |
| <b>Raise, slow</b>                 |        |                                      |           | <b>Lower, slow</b>                 |        |                                      |           |
| ZB2BY4951                          |        | ZB2BY4901                            | 0.001     | ZB2BY2954                          |        | ZB2BY2904                            | 0.001     |
| <b>Raise, fast</b>                 |        |                                      |           | <b>Lower, fast</b>                 |        |                                      |           |
| ZB2BY4952                          |        | ZB2BY4902                            | 0.001     | ZB2BY2955                          |        | ZB2BY2905                            | 0.001     |
| <b>Raise, slow-fast</b>            |        |                                      |           | <b>Lower, slow-fast</b>            |        |                                      |           |
| ZB2BY4953                          |        | ZB2BY4903                            | 0.001     | ZB2BY2956                          |        | ZB2BY2906                            | 0.001     |
| <b>Right, slow</b>                 |        |                                      |           | <b>Left, slow</b>                  |        |                                      |           |
| ZB2BY4901                          |        | ZB2BY4907                            | 0.001     | ZB2BY2904                          |        | ZB2BY2910                            | 0.001     |
| <b>Right, fast</b>                 |        |                                      |           | <b>Left, fast</b>                  |        |                                      |           |
| ZB2BY4902                          |        | ZB2BY4908                            | 0.001     | ZB2BY2905                          |        | ZB2BY2911                            | 0.001     |
| <b>Right, slow-fast</b>            |        |                                      |           | <b>Left, slow-fast</b>             |        |                                      |           |
| ZB2BY4903                          |        | ZB2BY4909                            | 0.001     | ZB2BY2906                          |        | ZB2BY2912                            | 0.001     |
| <b>Forward, slow</b>               |        |                                      |           | <b>Reverse, slow</b>               |        |                                      |           |
| ZB2BY4963                          |        | ZB2BY4913                            | 0.001     | ZB2BY2966                          |        | ZB2BY2916                            | 0.001     |
| <b>Forward, fast</b>               |        |                                      |           | <b>Reverse, fast</b>               |        |                                      |           |
| ZB2BY4964                          |        | ZB2BY4914                            | 0.001     | ZB2BY2967                          |        | ZB2BY2917                            | 0.001     |
| <b>Forward, slow-fast</b>          |        |                                      |           | <b>Reverse, slow-fast</b>          |        |                                      |           |
| ZB2BY4965                          |        | ZB2BY4915                            | 0.001     | ZB2BY2968                          |        | ZB2BY2918                            | 0.001     |
| <b>Slew right, slow</b>            |        |                                      |           | <b>Slew left, slow</b>             |        |                                      |           |
| ZB2BY4919                          |        | ZB2BY4919                            | 0.001     | ZB2BY2922                          |        | ZB2BY2922                            | 0.001     |
| <b>Slew right, fast</b>            |        |                                      |           | <b>Slew left, fast</b>             |        |                                      |           |
| ZB2BY4920                          |        | ZB2BY4920                            | 0.001     | ZB2BY2923                          |        | ZB2BY2923                            | 0.001     |
| <b>Slew right, slow-fast</b>       |        |                                      |           | <b>Slew left, slow-fast</b>        |        |                                      |           |
| ZB2BY4921                          |        | ZB2BY4921                            | 0.001     | ZB2BY2924                          |        | ZB2BY2924                            | 0.001     |
| <b>Slow</b>                        |        |                                      |           | <b>Fast</b>                        |        |                                      |           |
| ZB2BY4933                          |        | ZB2BY4933                            | 0.001     | ZB2BY4934                          |        | ZB2BY4934                            | 0.001     |
| <b>Klaxon</b>                      |        |                                      |           | <b>Start-Klaxon</b>                |        |                                      |           |
| ZB2BY4982                          |        | ZB2BY4932                            | 0.001     | ZB2BY4985                          |        | ZB2BY4935                            | 0.001     |
| <b>Start</b>                       |        |                                      |           | <b>Stop</b>                        |        |                                      |           |
| ZB2BY4980                          |        | ZB2BY4930                            | 0.001     | ZB2BY2931                          |        | ZB2BY2931                            | 0.001     |

Pendant control stations  
Double insulated, type XACB  
For control or power circuits  
Legends 30 x 40 mm



| Text                                                                                                                               | Reference                                                                          | Weight<br>kg | Text                                  | Reference | Weight<br>kg |
|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|---------------------------------------|-----------|--------------|
| <div>■ Start functions: white characters on black background</div> <div>■ Stop functions: white characters on red background</div> |                                                                                    |              |                                       |           |              |
| Blank                                                                                                                              |                                                                                    |              |                                       |           |              |
| Black or red background                                                                                                            | ZB2BY2101                                                                          | 0.001        | White or yellow background            | ZB2BY4101 | 0.001        |
| With French text                                                                                                                   |                                                                                    |              | With English text                     |           |              |
| For pushbuttons                                                                                                                    |                                                                                    |              | For pushbuttons                       |           |              |
| Marche                                                                                                                             | ZB2BY2103                                                                          | 0.001        | Start                                 | ZB2BY2303 | 0.001        |
| Arrêt                                                                                                                              | ZB2BY2104                                                                          | 0.001        | Stop                                  | ZB2BY2304 | 0.001        |
| Avant                                                                                                                              | ZB2BY2105                                                                          | 0.001        | Forward                               | ZB2BY2305 | 0.001        |
| Arrière                                                                                                                            | ZB2BY2106                                                                          | 0.001        | Reverse                               | ZB2BY2306 | 0.001        |
| Montée                                                                                                                             | ZB2BY2107                                                                          | 0.001        | Up                                    | ZB2BY2307 | 0.001        |
| Descente                                                                                                                           | ZB2BY2108                                                                          | 0.001        | Down                                  | ZB2BY2308 | 0.001        |
| Droite                                                                                                                             | ZB2BY2109                                                                          | 0.001        | Right                                 | ZB2BY2309 | 0.001        |
| Gauche                                                                                                                             | ZB2BY2110                                                                          | 0.001        | Left                                  | ZB2BY2310 | 0.001        |
| En service                                                                                                                         | ZB2BY2111                                                                          | 0.001        | On                                    | ZB2BY2311 | 0.001        |
| Hors service                                                                                                                       | ZB2BY2112                                                                          | 0.001        | Off                                   | ZB2BY2312 | 0.001        |
| Sous tension                                                                                                                       | ZB2BY2126                                                                          | 0.001        | Power on                              | ZB2BY2326 | 0.001        |
| Lent                                                                                                                               | ZB2BY2127                                                                          | 0.001        | Slow                                  | ZB2BY2327 | 0.001        |
| Vite                                                                                                                               | ZB2BY2128                                                                          | 0.001        | Fast                                  | ZB2BY2328 | 0.001        |
| Klaxon                                                                                                                             | ZB2BY2125                                                                          | 0.001        | –                                     | –         | –            |
| For selector switches                                                                                                              |                                                                                    |              | For selector switches                 |           |              |
| Arrêt-Marche                                                                                                                       | ZB2BY2166                                                                          | 0.001        | –                                     | –         | –            |
| Hors-En                                                                                                                            | ZB2BY2167                                                                          | 0.001        | Off-On                                | ZB2BY2367 | 0.001        |
| With special texts                                                                                                                 |                                                                                    |              |                                       |           |              |
| <div>■ Specify text when ordering.</div> <div>■ 2 lines maximum, 11 characters per line.</div>                                     |                                                                                    |              |                                       |           |              |
| White characters on black background                                                                                               | ZB2BY2002                                                                          | 0.001        | Black characters on white background  | ZB2BY4001 | 0.001        |
| White characters on red background                                                                                                 | ZB2BY2004                                                                          | 0.001        | Black characters on yellow background | ZB2BY4005 | 0.001        |
| Other versions                                                                                                                     | Legends with texts in other languages.<br>Please consult our Customer Care Centre. |              |                                       |           |              |

Pendant control stations  
Double insulated, type XACB  
For control or power circuits  
Twin legends for tower cranes

| Legends with white symbols on black background                                           |                                                                                    |           |              |                                   |                                                                                      |           |              |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------|--------------|-----------------------------------|--------------------------------------------------------------------------------------|-----------|--------------|
| Function                                                                                 | Symbol                                                                             | Reference | Weight<br>kg | Function                          | Symbol                                                                               | Reference | Weight<br>kg |
| 40 mm operator centres (for enclosures with 2 to 8 operators and 12 operators in 2 rows) |                                                                                    |           |              |                                   |                                                                                      |           |              |
| Hoist<br>Raise<br>Lower                                                                  |   | XACY4970  | 0.002        | Long travel<br>Forward<br>Reverse |   | XACY4972  | 0.002        |
| Slew<br>Right<br>Left                                                                    |   | XACY4971  | 0.002        | Trolley<br>Forward<br>Reverse     |   | XACY4973  | 0.002        |
| 30 mm operator centres (for enclosures with 12 operators in 1 row)                       |                                                                                    |           |              |                                   |                                                                                      |           |              |
| Hoist<br>Raise<br>Lower                                                                  |   | XACY3970  | 0.002        | Long travel<br>Forward<br>Reverse |   | XACY3972  | 0.002        |
| Slew<br>Right<br>Left                                                                    |  | XACY3971  | 0.002        | Trolley<br>Forward<br>Reverse     |  | XACY3973  | 0.002        |

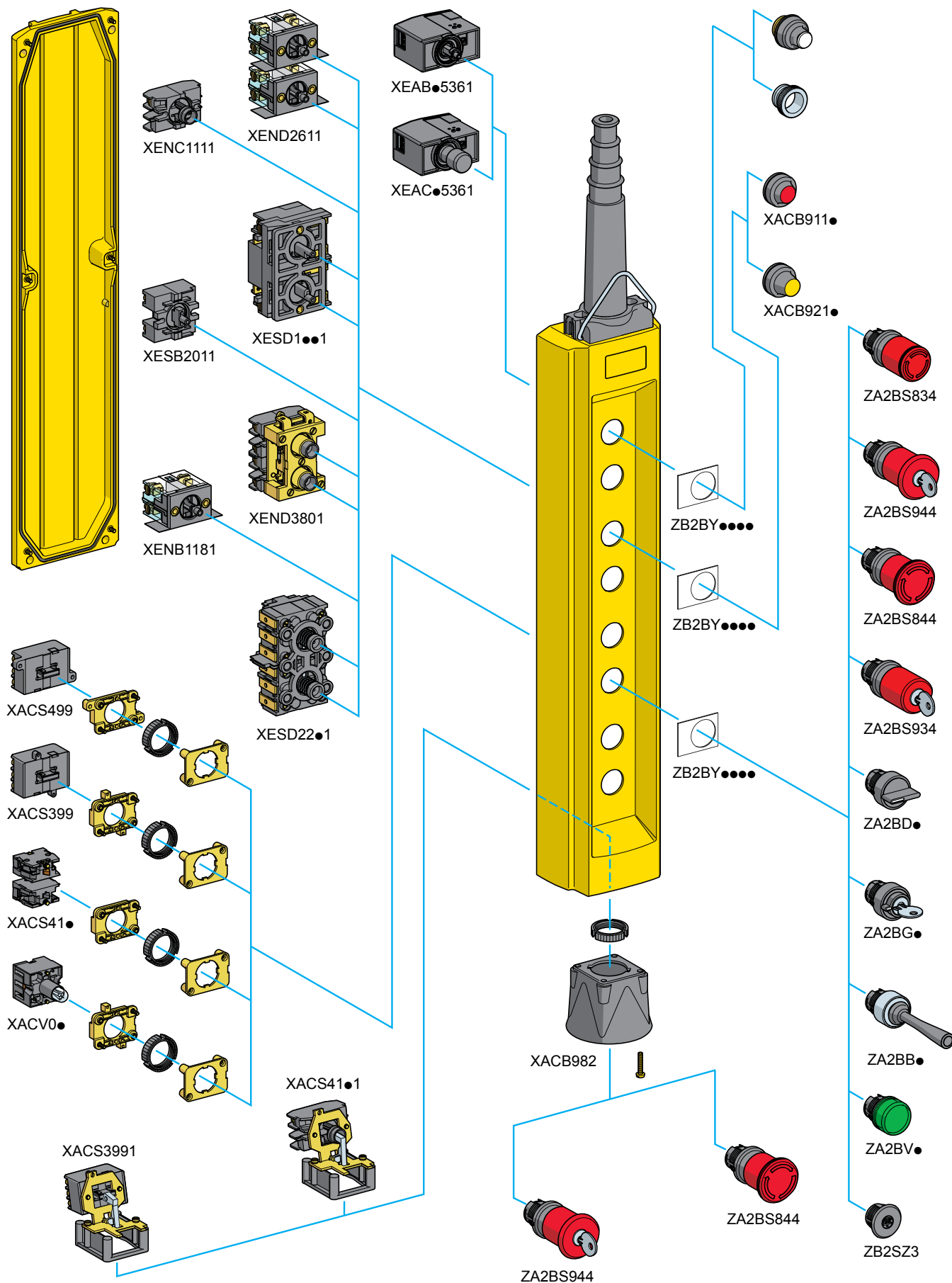
# Pendant control stations

Double insulated, type XACB

For control or power circuits

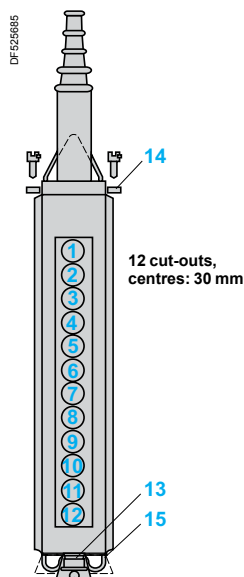
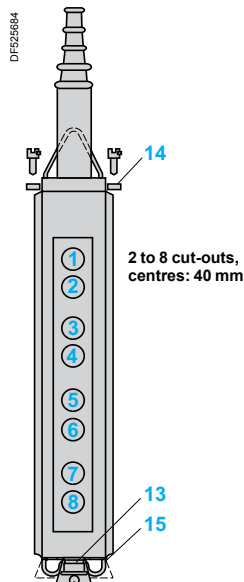
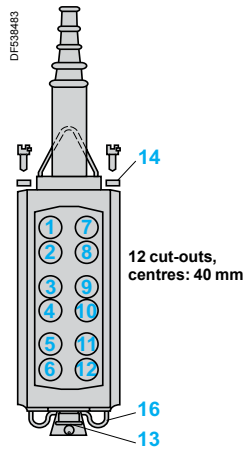
Variable composition stations, factory assembled

3



# Pendant control stations

Double insulated, type XACB  
For control or power circuits  
Variable composition stations, factory assembled



| Customer |          |               | Schneider Electric Industries |          |
|----------|----------|---------------|-------------------------------|----------|
| Company  | Order N° | Delivery date | Sales office - Subsidiary Co. | Order N° |
|          |          |               |                               |          |

Enter the order with XACB09 reference

| Unit reference of empty enclosure<br>see page 3/17 | Number of identical stations | Enclosure price (1) |
|----------------------------------------------------|------------------------------|---------------------|
| XAC B 0 9                                          |                              |                     |

| Legends<br>see page 3/29 |            | Contact blocks or pilot light<br>bodies<br>see page 3/18 |            | Operating heads or pilot light<br>heads or blanking plug<br>see page 3/23 |            | Total price |
|--------------------------|------------|----------------------------------------------------------|------------|---------------------------------------------------------------------------|------------|-------------|
| Reference                | Unit price | Reference                                                | Unit price | Reference                                                                 | Unit price |             |
| 1                        |            |                                                          |            |                                                                           |            |             |
| 2                        |            |                                                          |            |                                                                           |            |             |
| 3                        |            |                                                          |            |                                                                           |            |             |
| 4                        |            |                                                          |            |                                                                           |            |             |
| 5                        |            |                                                          |            |                                                                           |            |             |
| 6                        |            |                                                          |            |                                                                           |            |             |
| 7                        |            |                                                          |            |                                                                           |            |             |
| 8                        |            |                                                          |            |                                                                           |            |             |
| 9                        |            |                                                          |            |                                                                           |            |             |
| 10                       |            |                                                          |            |                                                                           |            |             |
| 11                       |            |                                                          |            |                                                                           |            |             |
| 12                       |            |                                                          |            |                                                                           |            |             |

Unit mounted in base of enclosure (if required)

|    |  |  |  |  |  |  |
|----|--|--|--|--|--|--|
| 13 |  |  |  |  |  |  |
|----|--|--|--|--|--|--|

Factory assembled:

Number of heads or  
blanking plugs to be  
fitted

X

Additional cost XAC9VA for  
fitting of 1 head or 1 blanking  
plug



Complementary accessories, see page 3/26 (cross the appropriate box or boxes)

| Description                                                                                  | <input checked="" type="checkbox"/> | Reference | Unit price |
|----------------------------------------------------------------------------------------------|-------------------------------------|-----------|------------|
| 14 Adaptor for self-supporting cable type BBAP for use with cable entry sleeve Ø 10 to 22 mm |                                     | XACB961   |            |
| 15 Lower support ring for single row enclosures                                              |                                     | XACB971   |            |
| 15 Lower support ring for 2 row enclosures                                                   |                                     | XACB972   |            |
| 16 Protective guard for key release latching mushroom head pushbutton, mounted in base       |                                     | XACB982   |            |

Total price of assembled pendant station

(1) Obtain the empty enclosure price.

# Pendant control stations

Double insulated, type XACF  
For control circuits  
Empty enclosures

DF565680



XACF00●0

DF565681



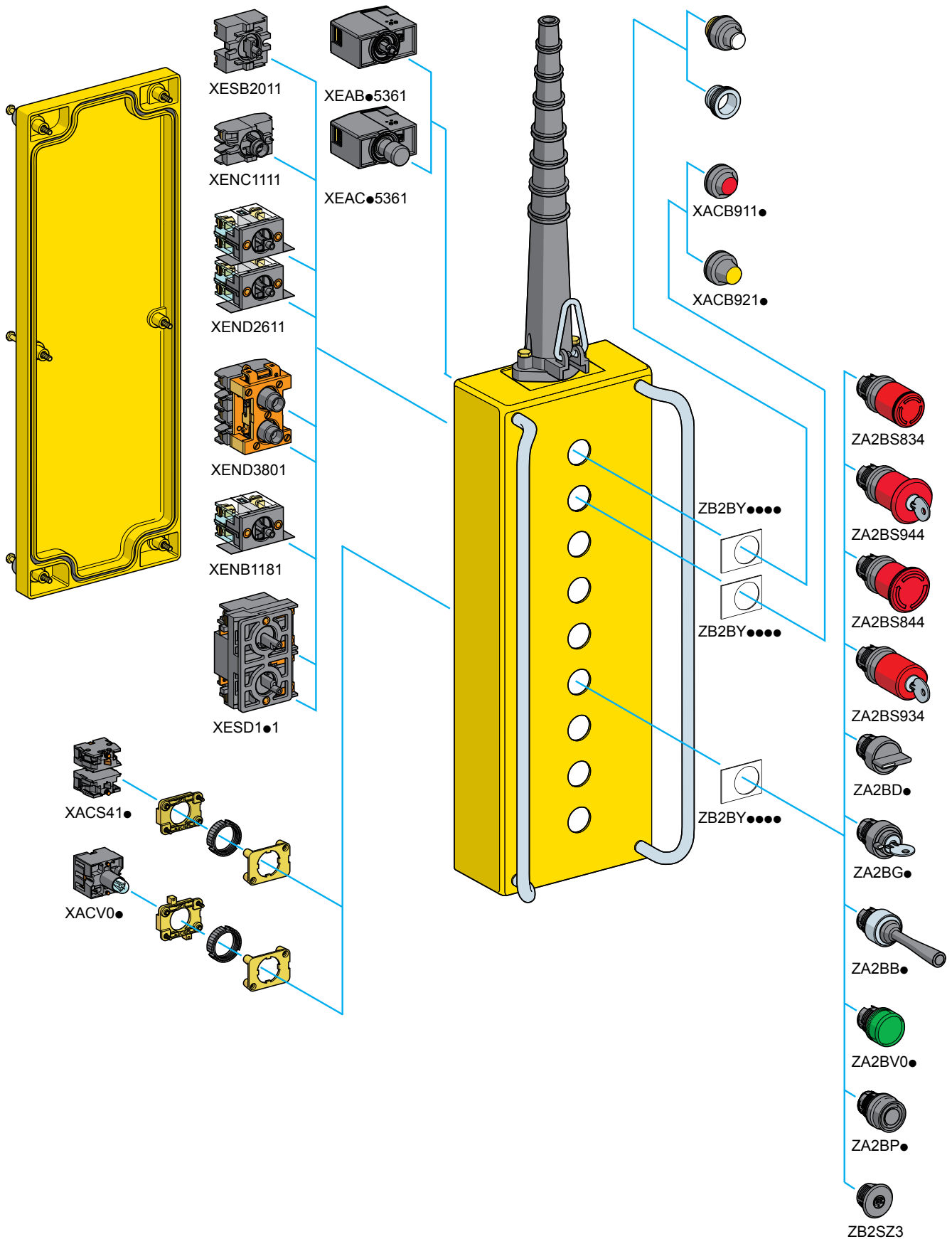
XACF00●1

| Empty enclosures (1)        |                     |                         |           |           |
|-----------------------------|---------------------|-------------------------|-----------|-----------|
| Description                 |                     | Protective cable sleeve | Reference | Weight kg |
| Enclosures without cut-outs | Without guard rails | Ø 10...22 mm            | XACF0010  | 2.100     |
|                             |                     | Ø 22...35 mm            | XACF0050  | 2.300     |
|                             | With guard rails    | Ø 10...22 mm            | XACF0011  | 2.300     |
|                             |                     | Ø 22...35 mm            | XACF0051  | 2.500     |

(1) Enclosure comprising:  
- the enclosure,  
- protective cable sleeve for cable Ø 10...22 mm or Ø 22...35 mm,  
- cable tie (for tightening sleeve onto cable),  
- internal cable clamp.

# Pendant control stations

Double insulated, type XACF  
For control circuits



For information on accessories, see page 3/18 to 3/25



How to find “Automation and Control” products, index

- How to find the “Automation and Control” products
  - Search, vizualize and download ..... 4/2
  - Access product references with adapted tools..... 4/4
  - Compare, select and compile ..... 4/6
  - Check the product status, design your equipment ..... 4/7
- Product reference index..... 4/8

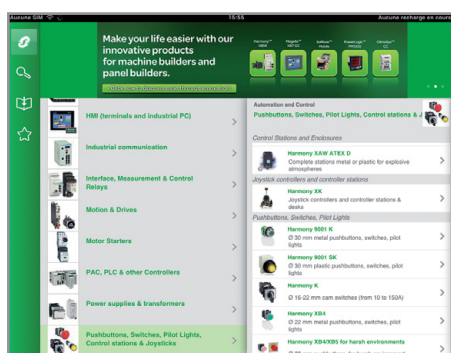
# Search, visualize, and download

Use your tablet or your PC to quickly access detailed and comprehensive information on all our products

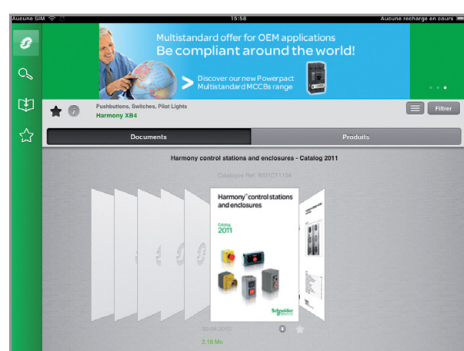


## Tablets

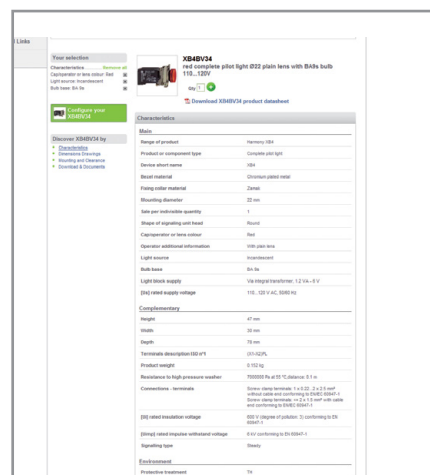
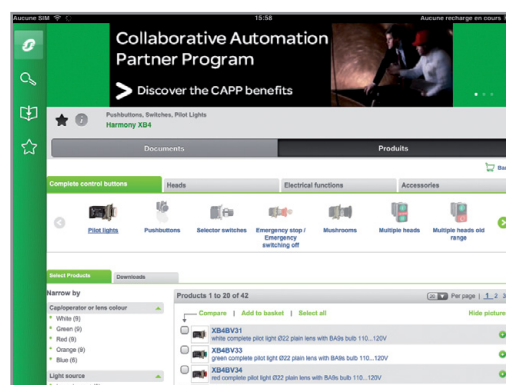
Application name: "Automation Library by Schneider Electric"



All product ranges displayed by function



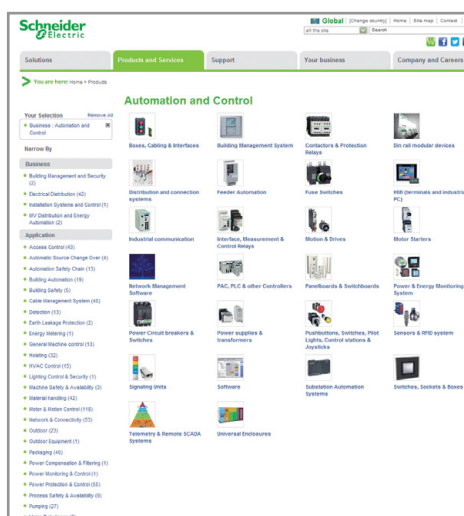
Dynamic catalogues (hyperlinks, video, ...)



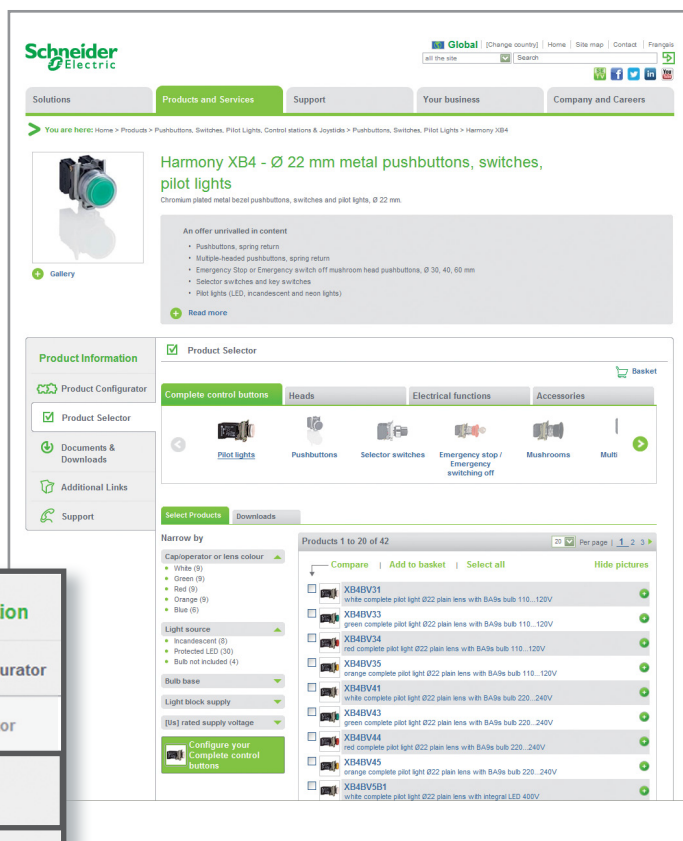
Product selector: dynamic filters to get easily your part number

# Personal computer

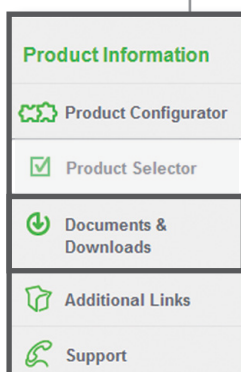
Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > Product offer



All product ranges displayed by function



Dynamic catalogues (hyperlinks, video, ...)

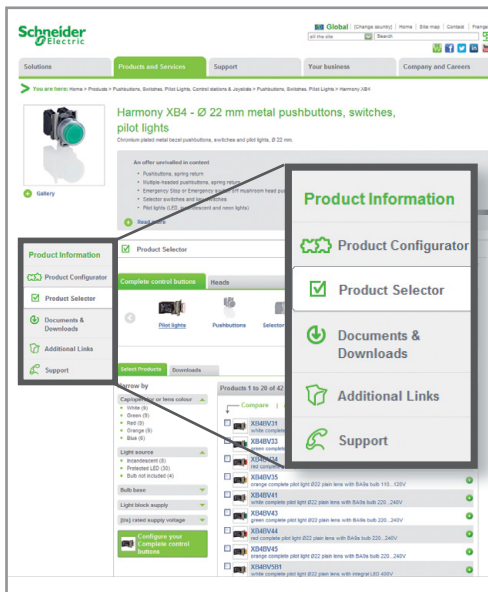


Product selector: dynamic filters to get easily your part number

# Access product references with adapted tools

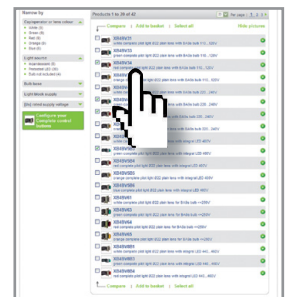
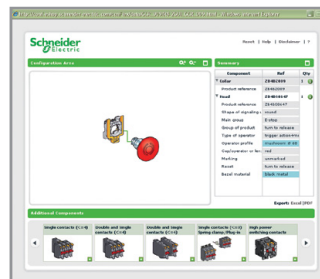
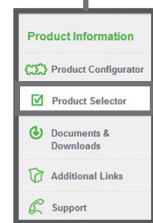
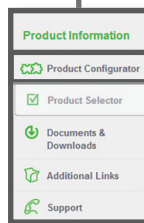


Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > ... > Product offer



**Graphic product configurator**  
Select the right product with just a few clicks

**Dynamic product selector**  
Visualize product characteristics and dimensions



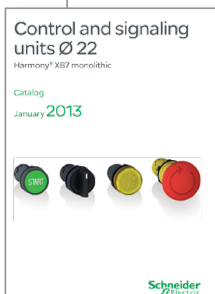
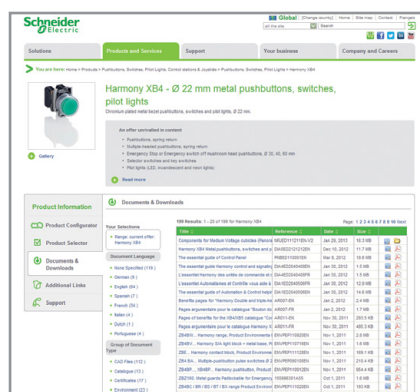
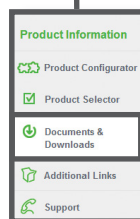
**Product data sheet**  
with technical characteristics  
and dimensions

**Dimensions**

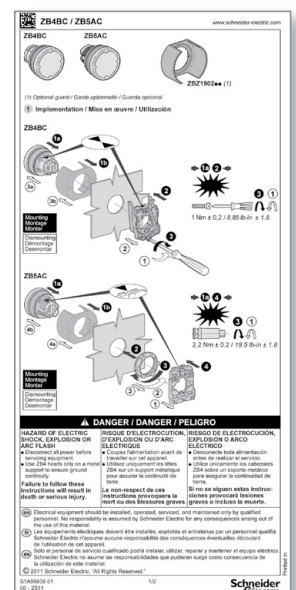
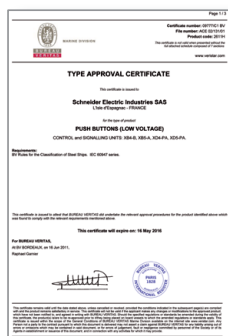
**Technical  
characteristics**

## Documents and downloads

Visualize and download catalogues, technical publications, certificates, etc.



## Essential guides



## Dynamic catalogues

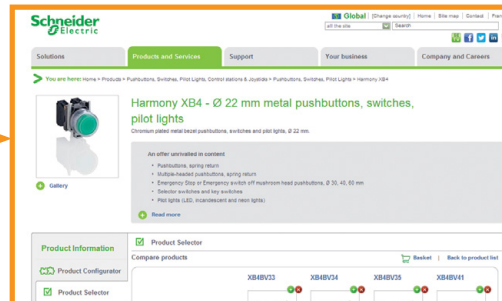
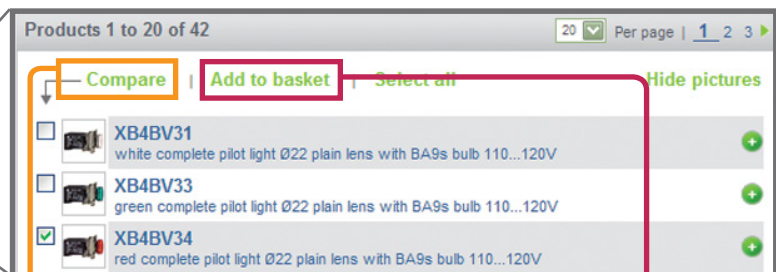
## Certificates

## Technical publications

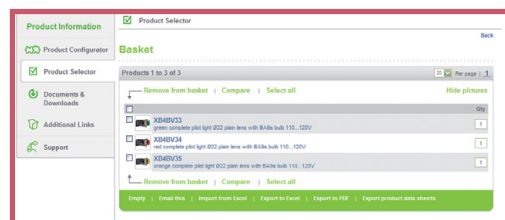
# Compare, select, and compile



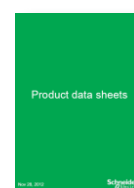
Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Products and Services** > Automation and control > ... > Harmony XB4\*



Compare technical characteristics



Select and store your products into the basket



Compile all data sheets in a unique document

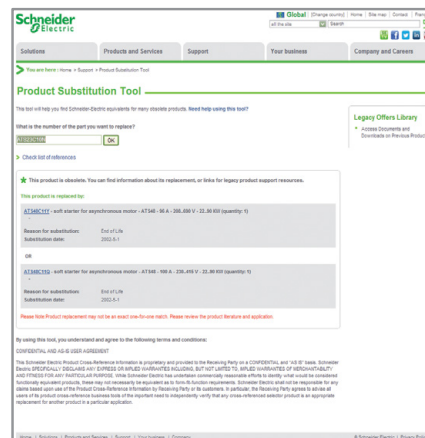
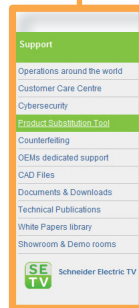
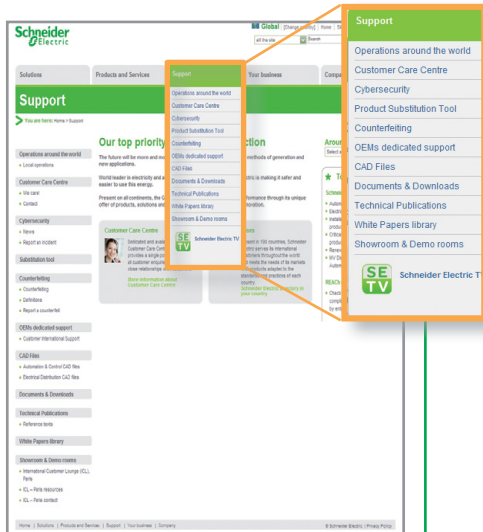
\* Example of research on a product

# Check the product status, design your equipment

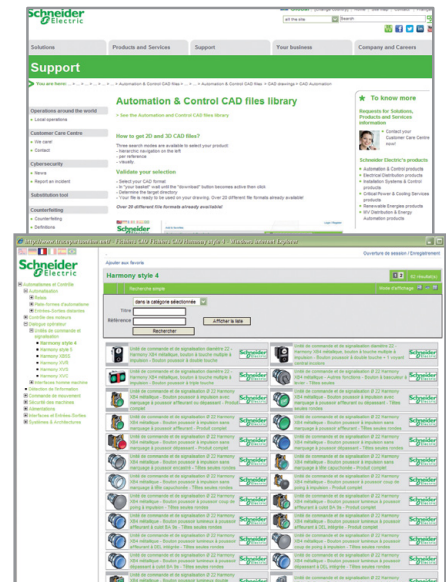


Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Support** > Product Substitution Tool

Path: [www.schneider-electric.com](http://www.schneider-electric.com) > **Support** > CAD files



**Product status:**  
indicate whether the product  
is still commercialized.  
Otherwise, the tool suggests a  
product substitution.



**CAD files:**  
available in various formats  
they will be easily integrated  
into your installation design  
software.

Please note that all references to products and services are just examples.

|                 |             |                  |      |                 |              |                    |      |                  |              |
|-----------------|-------------|------------------|------|-----------------|--------------|--------------------|------|------------------|--------------|
| <b>D</b>        |             | <b>XACA2054</b>  | 2/2  | <b>XACB281</b>  | 3/14         | <b>XACB9121</b>    | 3/22 | <b>XACD950</b>   | 2/7          |
| <b>DL1CB006</b> | 3/9<br>3/25 | <b>XACA2074</b>  | 2/3  | <b>XACB0415</b> | 3/17         | <b>XACB9122</b>    | 3/22 | <b>XACD951</b>   | 2/7          |
| <b>DL1CE012</b> | 3/9<br>3/25 | <b>XACA2114</b>  | 2/2  | <b>XACB481</b>  | 3/14         | <b>XACB9123</b>    | 3/22 | <b>XACD952</b>   | 2/7          |
| <b>DL1CE024</b> | 3/9<br>3/25 | <b>XACA2154</b>  | 2/2  | <b>XACB491</b>  | 3/15         | <b>XACB9124</b>    | 3/22 | <b>XACF0010</b>  | 3/32         |
| <b>DL1CE048</b> | 3/9<br>3/25 | <b>XACA2174</b>  | 2/3  | <b>XACB493</b>  | 3/15         | <b>XACB9125</b>    | 3/22 | <b>XACF0011</b>  | 3/32         |
| <b>DL1CE130</b> | 3/9<br>3/25 | <b>XACA2714</b>  | 3/2  | <b>XACB0615</b> | 3/17         | <b>XACB9126</b>    | 3/22 | <b>XACF0050</b>  | 3/32         |
| <b>DL1CF110</b> | 3/9<br>3/25 | <b>XACA2814</b>  | 3/2  | <b>XACB681</b>  | 3/14         | <b>XACB9129</b>    | 3/22 | <b>XACF0051</b>  | 3/32         |
| <b>DL1CF220</b> | 3/9<br>3/25 | <b>XACA2914</b>  | 3/4  | <b>XACB691</b>  | 3/16         | <b>XACB9211</b>    | 3/22 | <b>XACS101</b>   | 3/7          |
| <b>DL1CF380</b> | 3/9<br>3/25 | <b>XACA4714</b>  | 3/2  | <b>XACB693</b>  | 3/16         | <b>XACB9212</b>    | 3/22 | <b>XACS102</b>   | 3/7          |
|                 |             | <b>XACA4814</b>  | 3/2  | <b>XACB0815</b> | 3/17         | <b>XACB9213</b>    | 3/22 | <b>XACS103</b>   | 3/7          |
|                 |             | <b>XACA4914</b>  | 3/4  | <b>XACB881</b>  | 3/14         | <b>XACB9214</b>    | 3/22 | <b>XACS104</b>   | 3/7          |
|                 |             | <b>XACA4924</b>  | 3/4  | <b>XACB901</b>  | 3/25         | <b>XACB9215</b>    | 3/22 | <b>XACS105</b>   | 3/7          |
|                 |             | <b>XACA6714</b>  | 3/3  | <b>XACB902</b>  | 3/25         | <b>XACB9216</b>    | 3/22 | <b>XACS399</b>   | 3/21         |
|                 |             | <b>XACA6814</b>  | 3/3  | <b>XACB903</b>  | 3/25         | <b>XACB9219</b>    | 3/22 | <b>XACS411</b>   | 3/20         |
|                 |             | <b>XACA9411</b>  | 3/8  | <b>XACB904</b>  | 3/25         | <b>XACB9221</b>    | 3/22 | <b>XACS412</b>   | 3/20         |
|                 |             | <b>XACA9412</b>  | 3/8  | <b>XACB905</b>  | 3/25         | <b>XACB9222</b>    | 3/22 | <b>XACS413</b>   | 3/20         |
|                 |             | <b>XACA9413</b>  | 3/8  | <b>XACB906</b>  | 3/25         | <b>XACB9223</b>    | 3/22 | <b>XACS414</b>   | 3/20         |
|                 |             | <b>XACA9414</b>  | 3/8  | <b>XACB909</b>  | 3/25         | <b>XACB9224</b>    | 3/22 | <b>XACS415</b>   | 3/20         |
|                 |             | <b>XACA9415</b>  | 3/8  | <b>XACB911</b>  | 3/25         | <b>XACB9225</b>    | 3/22 | <b>XACS499</b>   | 3/21         |
|                 |             | <b>XACA9416</b>  | 3/8  | <b>XACB912</b>  | 3/25         | <b>XACB9226</b>    | 3/22 | <b>XACS3991</b>  | 3/21         |
|                 |             | <b>XACA9419</b>  | 3/8  | <b>XACB913</b>  | 3/26         | <b>XACB9229</b>    | 3/22 | <b>XACS4111</b>  | 3/20         |
|                 |             | <b>XACA27141</b> | 3/2  | <b>XACB921</b>  | 3/25         | <b>XACB12015</b>   | 3/17 | <b>XACS4121</b>  | 3/20         |
|                 |             | <b>XACA28141</b> | 3/2  | <b>XACB922</b>  | 3/25         | <b>XACD021</b>     | 2/6  | <b>XACS4131</b>  | 3/20         |
|                 |             | <b>XACA29141</b> | 3/4  | <b>XACB960</b>  | 3/26         | <b>XACD21A0101</b> | 2/4  | <b>XACS4141</b>  | 3/20         |
|                 |             | <b>XACA47141</b> | 3/2  | <b>XACB961</b>  | 3/9<br>3/26  | <b>XACD21A0105</b> | 2/4  | <b>XACS4151</b>  | 3/20         |
|                 |             | <b>XACA48141</b> | 3/2  |                 |              | <b>XACD21A1231</b> | 2/4  | <b>XACV06</b>    | 3/20         |
|                 |             | <b>XACA49141</b> | 3/4  | <b>XACB965</b>  | 3/26         | <b>XACD21A1241</b> | 2/4  | <b>XACV07</b>    | 3/20         |
|                 |             | <b>XACA49241</b> | 3/4  | <b>XACB971</b>  | 3/26         | <b>XACD21P2111</b> | 2/5  | <b>XACX1</b>     | 3/24<br>3/26 |
|                 |             | <b>XACA67141</b> | 3/3  | <b>XACB972</b>  | 3/26         | <b>XACD21P2121</b> | 2/5  | <b>XACX905</b>   | 3/26         |
|                 |             | <b>XACA68141</b> | 3/3  | <b>XACB982</b>  | 3/26         | <b>XACD21P2231</b> | 2/5  | <b>XACY3970</b>  | 3/29         |
|                 |             | <b>XACB02</b>    | 3/17 | <b>XACB1201</b> | 3/17         | <b>XACD21P2241</b> | 2/5  | <b>XACY3971</b>  | 3/29         |
|                 |             | <b>XACB04</b>    | 3/17 | <b>XACB1205</b> | 3/17         | <b>XACD21P3111</b> | 2/5  | <b>XACY3972</b>  | 3/29         |
|                 |             | <b>XACB06</b>    | 3/17 | <b>XACB1215</b> | 3/17         | <b>XACD21P3121</b> | 2/5  | <b>XACY3973</b>  | 3/29         |
|                 |             | <b>XACB08</b>    | 3/17 | <b>XACB3195</b> | 3/15         | <b>XACD21P3231</b> | 2/5  | <b>XACY4970</b>  | 3/29         |
|                 |             | <b>XACB12</b>    | 3/17 | <b>XACB3205</b> | 3/15         | <b>XACD21P3241</b> | 2/5  | <b>XACY4971</b>  | 3/29         |
|                 |             | <b>XACB020</b>   | 3/17 | <b>XACB3295</b> | 3/16         | <b>XACD022</b>     | 2/6  | <b>XACY4972</b>  | 3/29         |
|                 |             | <b>XACB021</b>   | 3/17 | <b>XACB4915</b> | 3/15         | <b>XACD24A0101</b> | 2/4  | <b>XACY4973</b>  | 3/29         |
|                 |             | <b>XACB025</b>   | 3/17 | <b>XACB4916</b> | 3/15         | <b>XACD24A0105</b> | 2/4  | <b>XBFX13</b>    | 3/9<br>3/26  |
|                 |             | <b>XACB030</b>   | 3/17 | <b>XACB4935</b> | 3/15         | <b>XACD24A1231</b> | 2/4  | <b>XEAB15361</b> | 3/24         |
|                 |             | <b>XACB041</b>   | 3/17 | <b>XACB4936</b> | 3/15         | <b>XACD24A1241</b> | 2/4  | <b>XEAB25361</b> | 3/24         |
|                 |             | <b>XACB045</b>   | 3/17 | <b>XACB6915</b> | 3/16         | <b>XACD24P2121</b> | 2/5  | <b>XEAC15361</b> | 3/24         |
|                 |             | <b>XACB061</b>   | 3/17 | <b>XACB6916</b> | 3/16         | <b>XACD24P2231</b> | 2/5  | <b>XEAC25361</b> | 3/24         |
|                 |             | <b>XACB065</b>   | 3/17 | <b>XACB6935</b> | 3/16         | <b>XACD24P3111</b> | 2/5  | <b>XEDS1231</b>  | 2/6          |
|                 |             | <b>XACB081</b>   | 3/17 | <b>XACB6936</b> | 3/16         | <b>XACD24P3121</b> | 2/5  | <b>XEDS1241</b>  | 2/6          |
|                 |             | <b>XACB085</b>   | 3/17 | <b>XACB9111</b> | 3/22<br>3/24 | <b>XACD24P3231</b> | 2/5  | <b>XEDS2111</b>  | 2/6          |
|                 |             | <b>XACB120</b>   | 3/17 | <b>XACB9112</b> | 3/22<br>3/24 | <b>XACD24P3241</b> | 2/5  | <b>XEDS2121</b>  | 2/6          |
|                 |             | <b>XACB121</b>   | 3/17 |                 |              | <b>XACD901</b>     | 2/7  | <b>XEDS2231</b>  | 2/6          |
|                 |             | <b>XACB125</b>   | 3/17 | <b>XACB9113</b> | 3/22         | <b>XACD902</b>     | 2/7  | <b>XEDS2241</b>  | 2/6          |
|                 |             | <b>XACB0215</b>  | 3/17 | <b>XACB9114</b> | 3/22         | <b>XACD905</b>     | 2/7  | <b>XEDS3111</b>  | 2/6          |
|                 |             | <b>XACB219</b>   | 3/15 | <b>XACB9115</b> | 3/22         | <b>XACD911</b>     | 2/7  | <b>XEDS3121</b>  | 2/6          |
|                 |             | <b>XACB220</b>   | 3/15 | <b>XACB9116</b> | 3/22         | <b>XACD912</b>     | 2/7  | <b>XEDS3231</b>  | 2/6          |
|                 |             | <b>XACB229</b>   | 3/16 | <b>XACB9119</b> | 3/22         | <b>XACD913</b>     | 2/7  |                  |              |

|          |      |           |                    |           |              |           |              |           |                    |
|----------|------|-----------|--------------------|-----------|--------------|-----------|--------------|-----------|--------------------|
| XEDS3241 | 2/6  | ZA2BG6    | 2/7<br>3/8<br>3/23 | ZB2BY2106 | 3/11<br>3/28 | ZB2BY2912 | 3/10<br>3/27 | ZB2BY4951 | 3/27               |
| XENB1181 | 3/18 |           |                    | ZB2BY2107 | 3/11<br>3/28 | ZB2BY2916 | 3/10<br>3/27 | ZB2BY4952 | 3/27               |
| XENB1191 | 3/18 | ZA2BP2    | 3/22               | ZB2BY2108 | 3/11<br>3/28 | ZB2BY2917 | 3/10<br>3/27 | ZB2BY4953 | 3/27               |
| XENB1491 | 3/18 | ZA2BP3    | 3/22               | ZB2BY2109 | 3/11<br>3/28 | ZB2BY2918 | 3/10<br>3/27 | ZB2BY4963 | 3/27               |
| XENC1111 | 3/18 | ZA2BP4    | 3/22               | ZB2BY2110 | 3/11<br>3/28 | ZB2BY2922 | 3/10<br>3/27 | ZB2BY4964 | 3/27               |
| XENC1121 | 3/18 | ZA2BP5    | 3/22               | ZB2BY2111 | 3/11<br>3/28 | ZB2BY2923 | 3/10<br>3/27 | ZB2BY4965 | 3/27               |
| XENC1131 | 3/18 | ZA2BP6    | 3/22               | ZB2BY2112 | 3/11<br>3/28 | ZB2BY2924 | 3/10<br>3/27 | ZB2BY4980 | 3/27               |
| XENC1141 | 3/18 | ZA2BS14   | 3/23               | ZB2BY2125 | 3/11<br>3/28 | ZB2BY2931 | 3/10<br>3/27 | ZB2BY4982 | 3/27               |
| XENC1151 | 3/18 | ZA2BS834  | 2/7<br>3/8<br>3/23 | ZB2BY2126 | 3/11<br>3/28 | ZB2BY2954 | 3/27         | ZB2BY4985 | 3/27               |
| XEND1611 | 3/18 |           |                    | ZB2BY2127 | 3/11<br>3/28 | ZB2BY2955 | 3/27         | ZB2SZ3    | 2/7<br>3/9<br>3/26 |
| XEND1621 | 3/18 | ZA2BS844  | 3/8<br>3/23        | ZB2BY2128 | 3/11<br>3/28 | ZB2BY2956 | 3/27         |           |                    |
| XEND1631 | 3/19 |           |                    | ZB2BY2166 | 3/11<br>3/28 | ZB2BY2966 | 3/27         |           |                    |
| XEND1641 | 3/19 | ZA2BS934  | 2/7<br>3/8<br>3/23 | ZB2BY2167 | 3/11<br>3/28 | ZB2BY2967 | 3/27         |           |                    |
| XEND2251 | 3/21 |           |                    | ZB2BY2303 | 3/11<br>3/28 | ZB2BY2968 | 3/27         |           |                    |
| XEND2611 | 3/18 | ZA2BS944  | 3/8<br>3/23        | ZB2BY2304 | 3/11<br>3/28 | ZB2BY4001 | 3/11<br>3/28 |           |                    |
| XEND2621 | 3/18 |           |                    | ZB2BY2305 | 3/11<br>3/28 | ZB2BY4005 | 3/11<br>3/28 |           |                    |
| XEND2631 | 3/19 | ZA2BV01   | 3/9<br>3/23        | ZB2BY2306 | 3/11<br>3/28 | ZB2BY4101 | 3/11<br>3/28 |           |                    |
| XEND2641 | 3/19 |           |                    | ZB2BY2307 | 3/11<br>3/28 | ZB2BY4901 | 3/10<br>3/27 |           |                    |
| XEND3801 | 3/19 | ZA2BV03   | 3/9<br>3/23        | ZB2BY2308 | 3/11<br>3/28 | ZB2BY4902 | 3/10<br>3/27 |           |                    |
| XEND3811 | 3/19 |           |                    | ZB2BY2309 | 3/11<br>3/28 | ZB2BY4903 | 3/10<br>3/27 |           |                    |
| XEND4801 | 3/19 | ZA2BV04   | 3/9<br>3/23        | ZB2BY2310 | 3/11<br>3/28 | ZB2BY4907 | 3/10<br>3/27 |           |                    |
| XEND4811 | 3/19 |           |                    | ZB2BY2311 | 3/11<br>3/28 | ZB2BY4908 | 3/10<br>3/27 |           |                    |
| XENG1191 | 3/6  | ZA2BV05   | 3/9<br>3/23        | ZB2BY2312 | 3/11<br>3/28 | ZB2BY4909 | 3/10<br>3/27 |           |                    |
| XENG1491 | 3/6  |           |                    | ZB2BY2326 | 3/11<br>3/28 | ZB2BY4913 | 3/10<br>3/27 |           |                    |
| XENG3781 | 3/6  | ZA2BV06   | 3/9<br>3/23        | ZB2BY2327 | 3/11<br>3/28 | ZB2BY4914 | 3/10<br>3/27 |           |                    |
| XENG3791 | 3/6  |           |                    | ZB2BY2328 | 3/11<br>3/28 | ZB2BY4915 | 3/10<br>3/27 |           |                    |
| XENT1192 | 3/6  | ZA2BV07   | 3/9<br>3/23        | ZB2BY2367 | 3/11<br>3/28 | ZB2BY4919 | 3/10<br>3/27 |           |                    |
| XENT1991 | 2/6  |           |                    | ZB2BY2904 | 3/10<br>3/27 | ZB2BY4920 | 3/10<br>3/27 |           |                    |
| XESB2011 | 3/19 | ZA2BV033  | 3/9<br>3/23        | ZB2BY2905 | 3/10<br>3/27 | ZB2BY4921 | 3/10<br>3/27 |           |                    |
| XESD1181 | 3/19 |           |                    | ZB2BY2906 | 3/10<br>3/27 | ZB2BY4930 | 3/10<br>3/27 |           |                    |
| XESD1191 | 3/21 | ZA2BV043  | 3/9<br>3/23        | ZB2BY2910 | 3/10<br>3/27 | ZB2BY4932 | 3/10<br>3/27 |           |                    |
| XESD1281 | 3/19 |           |                    | ZB2BY2911 | 3/10<br>3/27 | ZB2BY4933 | 3/10<br>3/27 |           |                    |
| XESD1291 | 3/21 | ZA2BV053  | 3/9<br>3/23        |           |              | ZB2BY4934 | 3/10<br>3/27 |           |                    |
| XESD2201 | 3/21 |           |                    |           |              | ZB2BY4935 | 3/10<br>3/27 |           |                    |
| XESD2241 | 3/21 | ZA2BV073  | 3/9<br>3/23        |           |              |           |              |           |                    |
|          |      | ZA2BZ905  | 2/7<br>3/9<br>3/24 |           |              |           |              |           |                    |
|          |      |           |                    |           |              |           |              |           |                    |
|          |      | ZB2BE101  | 2/3<br>2/6<br>3/6  |           |              |           |              |           |                    |
|          |      |           |                    |           |              |           |              |           |                    |
|          |      | ZB2BE102  | 2/3<br>2/6<br>3/6  |           |              |           |              |           |                    |
|          |      |           |                    |           |              |           |              |           |                    |
|          |      | ZB2BE201  | 2/3                |           |              |           |              |           |                    |
|          |      | ZB2BV006  | 3/7                |           |              |           |              |           |                    |
|          |      | ZB2BV007  | 3/7                |           |              |           |              |           |                    |
|          |      | ZB2BY2002 | 3/11<br>3/28       |           |              |           |              |           |                    |
|          |      | ZB2BY2004 | 3/11<br>3/28       |           |              |           |              |           |                    |
|          |      | ZB2BY2101 | 3/11<br>3/28       |           |              |           |              |           |                    |
|          |      | ZB2BY2103 | 3/11<br>3/28       |           |              |           |              |           |                    |
|          |      | ZB2BY2104 | 3/11<br>3/28       |           |              |           |              |           |                    |
|          |      | ZB2BY2105 | 3/11<br>3/28       |           |              |           |              |           |                    |

## Z

|        |                    |
|--------|--------------------|
| ZA2BB2 | 3/8<br>3/23        |
| ZA2BB4 | 3/8<br>3/23        |
| ZA2BD2 | 2/7<br>3/8<br>3/23 |
| ZA2BD3 | 3/8<br>3/23        |
| ZA2BG2 | 2/7<br>3/8<br>3/23 |
| ZA2BG3 | 2/7<br>3/8<br>3/23 |
| ZA2BG4 | 2/7<br>3/8<br>3/23 |
| ZA2BG5 | 2/7<br>3/8<br>3/23 |



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