



second lateral Auxiliary switch, 1 NO, 1 NC, screw terminal, for contactors 3RT1

| General technical data                                            |                                                 |
|-------------------------------------------------------------------|-------------------------------------------------|
| product brand name                                                | SIRIUS                                          |
| suitability for use                                               | Contactor relay and power contactor             |
| protection class IP on the front                                  | IP20                                            |
| ambient temperature                                               |                                                 |
| • during storage                                                  | -55 ... +80 °C                                  |
| • during operation                                                | -25 ... +60 °C                                  |
| mechanical service life (switching cycles) typical                | 10 000 000                                      |
| electrical endurance (switching cycles) at AC-15 at 230 V typical | 200 000                                         |
| contact reliability of auxiliary contacts                         | 1 faulty switching per 100 million (17 V, 1 mA) |
| insulation voltage with degree of pollution 3 at AC rated value   | 500 V                                           |
| surge voltage resistance rated value                              | 6 kV                                            |
| Auxiliary circuit                                                 |                                                 |
| number of NC contacts for auxiliary contacts                      |                                                 |
| • instantaneous contact                                           | 1                                               |
| number of NO contacts for auxiliary contacts                      |                                                 |
| • instantaneous contact                                           | 1                                               |
| operational current of auxiliary contacts at AC-12                |                                                 |
| • at 24 V                                                         | 10 A                                            |
| • at 230 V                                                        | 10 A                                            |
| • maximum                                                         | 10 A                                            |
| operational current                                               |                                                 |
| • of auxiliary contacts                                           |                                                 |
| — at AC-14                                                        |                                                 |
| — at 125 V                                                        | 6 A                                             |
| — at 250 V                                                        | 6 A                                             |
| — at AC-15                                                        |                                                 |
| — at 24 V                                                         | 6 A                                             |
| — at 230 V                                                        | 6 A                                             |
| — at 400 V                                                        | 3 A                                             |
| operational current                                               |                                                 |
| • of auxiliary contacts at DC-12                                  |                                                 |
| — at 24 V                                                         | 10 A                                            |
| — at 110 V                                                        | 3 A                                             |
| — at 220 V                                                        | 1 A                                             |
| • with 2 current paths in series at DC-12                         |                                                 |

|                                                                           |                                              |                                  |
|---------------------------------------------------------------------------|----------------------------------------------|----------------------------------|
| — at 24 V rated value                                                     | 10 A                                         |                                  |
| — at 60 V rated value                                                     | 10 A                                         |                                  |
| — at 110 V rated value                                                    | 4 A                                          |                                  |
| — at 220 V rated value                                                    | 2 A                                          |                                  |
| — at 440 V rated value                                                    | 1.3 A                                        |                                  |
| ● with 3 current paths in series at DC-12                                 |                                              |                                  |
| — at 24 V rated value                                                     | 10 A                                         |                                  |
| — at 60 V rated value                                                     | 10 A                                         |                                  |
| — at 110 V rated value                                                    | 10 A                                         |                                  |
| — at 220 V rated value                                                    | 3.6 A                                        |                                  |
| — at 440 V rated value                                                    | 2.5 A                                        |                                  |
| <b>operational current</b>                                                |                                              |                                  |
| ● of auxiliary contacts at DC-13                                          |                                              |                                  |
| — at 24 V                                                                 | 6 A                                          |                                  |
| — at 60 V                                                                 | 2 A                                          |                                  |
| — at 110 V                                                                | 1 A                                          |                                  |
| — at 220 V                                                                | 0.3 A                                        |                                  |
| ● with 2 current paths in series at DC-13                                 |                                              |                                  |
| — at 24 V rated value                                                     | 10 A                                         |                                  |
| — at 60 V rated value                                                     | 3.5 A                                        |                                  |
| — at 110 V rated value                                                    | 1.3 A                                        |                                  |
| — at 220 V rated value                                                    | 0.9 A                                        |                                  |
| — at 440 V rated value                                                    | 0.2 A                                        |                                  |
| ● with 3 current paths in series at DC-13                                 |                                              |                                  |
| — at 24 V rated value                                                     | 10 A                                         |                                  |
| — at 60 V rated value                                                     | 4.7 A                                        |                                  |
| — at 110 V rated value                                                    | 3 A                                          |                                  |
| — at 220 V rated value                                                    | 1.2 A                                        |                                  |
| — at 440 V rated value                                                    | 0.5 A                                        |                                  |
| <b>Installation/ mounting/ dimensions</b>                                 |                                              |                                  |
| <b>fastening method</b>                                                   | snap-on mounting                             |                                  |
| <b>width</b>                                                              | 10 mm                                        |                                  |
| <b>height</b>                                                             | 80 mm                                        |                                  |
| <b>depth</b>                                                              | 71 mm                                        |                                  |
| <b>Connections/ Terminals</b>                                             |                                              |                                  |
| <b>type of electrical connection for auxiliary and control circuit</b>    | screw-type terminals                         |                                  |
| <b>type of connectable conductor cross-sections</b>                       |                                              |                                  |
| ● for auxiliary contacts                                                  |                                              |                                  |
| — finely stranded                                                         |                                              |                                  |
| — with core end processing                                                | 2x (0.5 ... 1.5 mm²), 2x (0.75 ... 2.5 mm²)  |                                  |
| ● at AWG cables for auxiliary contacts                                    | 2x (20 ... 16), 2x (18 ... 14)               |                                  |
| <b>Safety related data</b>                                                |                                              |                                  |
| <b>product function mirror contact acc. to IEC 60947-4-1</b>              | Yes                                          |                                  |
| ● note                                                                    | with 3RT1                                    |                                  |
| <b>product function positively driven operation acc. to IEC 60947-5-1</b> | No                                           |                                  |
| <b>Certificates/ approvals</b>                                            |                                              |                                  |
| <b>General Product Approval</b>                                           | <b>Functional Safety/Safety of Machinery</b> | <b>Declaration of Conformity</b> |



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[Type Examination Certificate](#)

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|                |                   |                   |       |         |
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| Declaration of | Test Certificates | Shipping Approval | other | Railway |
|----------------|-------------------|-------------------|-------|---------|



### Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH1921-1JA11>

Cax online generator

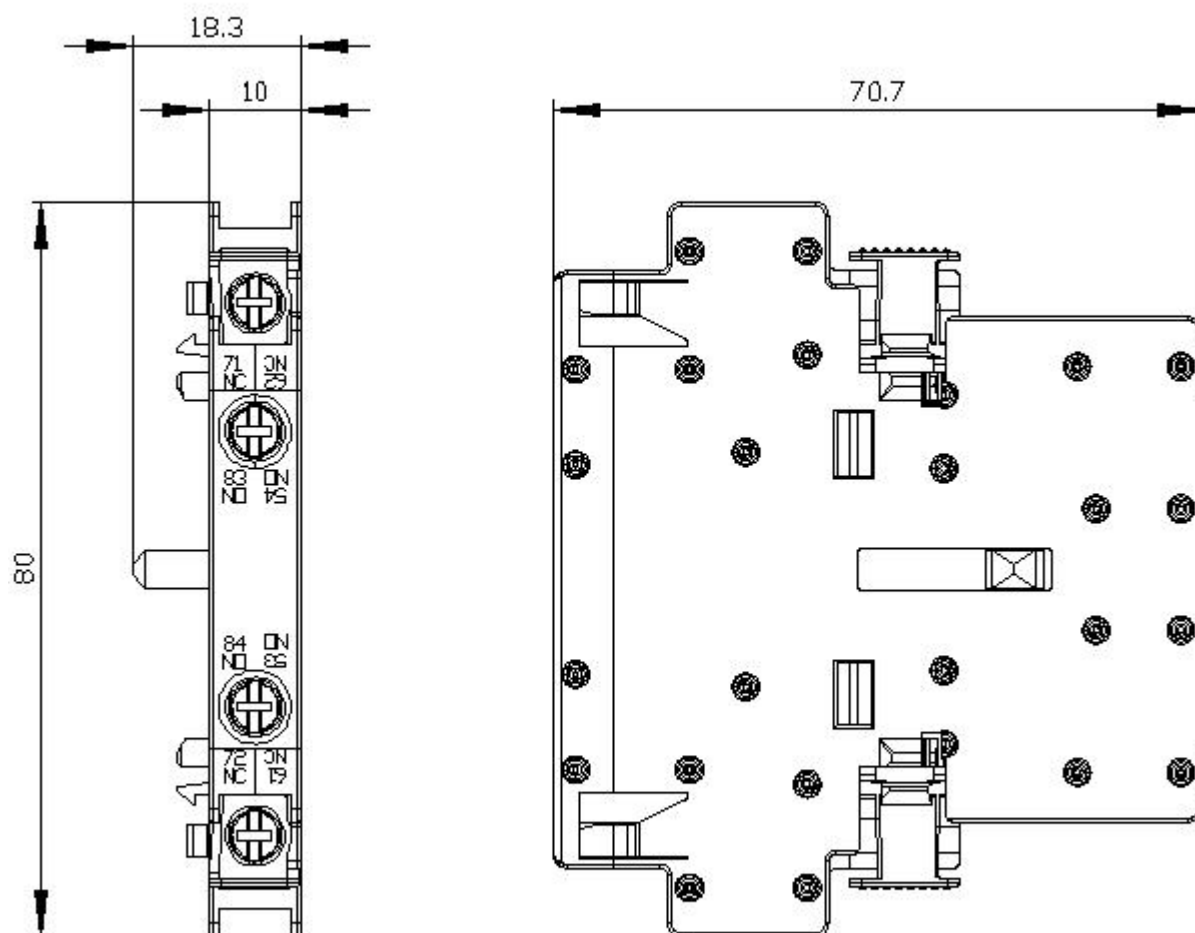
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH1921-1JA11>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

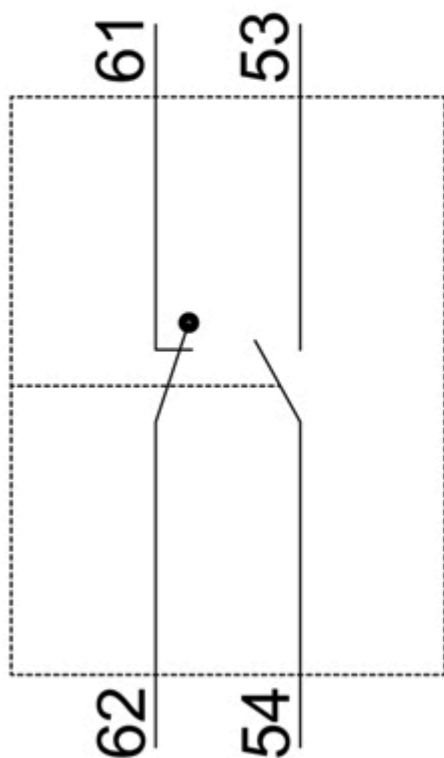
<https://support.industry.siemens.com/cs/ww/en/ps/3RH1921-1JA11>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

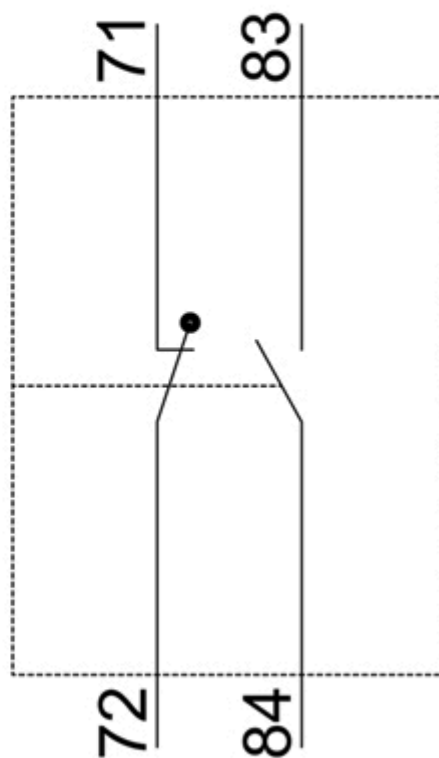
[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RH1921-1JA11&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH1921-1JA11&lang=en)



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