

# GV7RS220

## TeSys GV7 - circuit breaker - 3P - AC-3 - 132...220 A - thermal-magnetic

Product availability: Stock - Normally stocked in distribution facility

Price\*: 978.00 USD



### Main

|                                                     |                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Commercial Status                                   | Commercialised                                                                                                                                                                                                                                                                                                        |
| Range                                               | TeSys                                                                                                                                                                                                                                                                                                                 |
| Product name                                        | TeSys GV7                                                                                                                                                                                                                                                                                                             |
| Device short name                                   | GV7R                                                                                                                                                                                                                                                                                                                  |
| Product or component type                           | Circuit breaker                                                                                                                                                                                                                                                                                                       |
| Device application                                  | Motor                                                                                                                                                                                                                                                                                                                 |
| Poles description                                   | 3P                                                                                                                                                                                                                                                                                                                    |
| Network type                                        | AC                                                                                                                                                                                                                                                                                                                    |
| Utilisation category                                | AC-3 conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                      |
| Network frequency                                   | 50/60 Hz conforming to IEC 60947-4-1                                                                                                                                                                                                                                                                                  |
| Breaking capacity                                   | 70 kA Icu at 400...415 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>100 kA Icu at 230...240 V AC 50/60 Hz conforming to IEC 60947-2<br>10 kA Icu at 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 100 % at 690 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 400...415 V AC 50/60 Hz conforming to IEC 60947-2<br>100 % at 230...240 V AC 50/60 Hz conforming to IEC 60947-2                      |
| Trip unit rating                                    | 132...220 A (-25...70 °C)                                                                                                                                                                                                                                                                                             |
| Trip unit technology                                | Thermal-magnetic                                                                                                                                                                                                                                                                                                      |

### Complementary

|                                             |                                                                                                                                                                                                                                              |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting mode                               | By clips<br>By screws                                                                                                                                                                                                                        |
| Mounting support                            | Flush<br>Panel mounting<br>Rail<br>Kit for fixing the switchgear                                                                                                                                                                             |
| Mounting position                           | Vertical                                                                                                                                                                                                                                     |
| Motor power kW                              | 90 kW at 400...415 V AC 50/60 Hz<br>200 kW at 660...690 V AC 50/60 Hz<br>160 kW at 660...690 V AC 50/60 Hz<br>160 kW at 500 V AC 50/60 Hz<br>132 kW at 500 V AC 50/60 Hz<br>110 kW at 500 V AC 50/60 Hz<br>110 kW at 400...415 V AC 50/60 Hz |
| Control type                                | Rocker lever                                                                                                                                                                                                                                 |
| System Voltage                              | 690 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                  |
| [Ui] rated insulation voltage               | 750 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                  |
| [Ith] conventional free air thermal current | 220 A conforming to IEC 60947-4-1                                                                                                                                                                                                            |
| [Uimp] rated impulse withstand voltage      | 8 kV conforming to IEC 60947-2                                                                                                                                                                                                               |

|                            |                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------|
| Power dissipation          | 14.5 W                                                                                                          |
| Power dissipation per pole | 14.5 W                                                                                                          |
| Mechanical durability      | 20000 cycles                                                                                                    |
| Electrical durability      | 20000 cycles AC-3 at 440 V In/2<br>10000 cycles AC-3 at 440 V In                                                |
| Operating rate             | 25 cyc/h                                                                                                        |
| Rated duty                 | Continuous conforming to IEC 60947-4-1                                                                          |
| Connection pitch           | 1.77 in (45 mm) with spreaders<br>1.38 in (35 mm) without spreaders                                             |
| Connections - terminals    | Bare cable connectors 1.5...185 mm <sup>2</sup><br>Screw<br>Cable with lug - external diameter : 10 mm<br>Bars  |
| Tightening torque          | 15 N.m - on bare cable connectors- cable 1.5...185 mm <sup>2</sup><br>10 N.m - on screw - screw M6              |
| Mechanical robustness      | Vibrations 2.5 Gn, 0...25 Hz conforming to IEC 60068-2-6<br>Shocks 15 Gn for 11 ms conforming to IEC 60068-2-27 |
| Suitability for isolation  | Yes conforming to IEC 60947-1                                                                                   |
| Phase failure sensitivity  | Yes conforming to IEC 60947-4-1 § 7-2-1-5-2                                                                     |
| Height                     | 4.92 in (125 mm)                                                                                                |
| Width                      | 4.13 in (105 mm)                                                                                                |
| Depth                      | 4.37 in (111 mm)                                                                                                |
| Product weight             | 5.18 lb(US) (2.35 kg)                                                                                           |

## Environment

|                                       |                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-2<br>EN/IEC 60947-4-1<br>NF C 63-120<br>NF C 63-650<br>NF C 79-130<br>VDE 0113<br>VDE 0660 |
| Product certifications                | CCC<br>DNV<br>UL                                                                                                          |
| Protective treatment                  | TC                                                                                                                        |
| IP degree of protection               | IP405 with terminal shrouds conforming to IEC 60529                                                                       |
| Pollution degree                      | 3                                                                                                                         |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)                                                                                                |
| Ambient air temperature for storage   | -67...203 °F (-55...95 °C)                                                                                                |
| Fire resistance                       | 1760 °F (960 °C) conforming to IEC 60695-2-1                                                                              |
| Operating altitude                    | 6561.68 ft (2000 m)                                                                                                       |

## Ordering and shipping details

|                       |                                                   |
|-----------------------|---------------------------------------------------|
| Category              | 22366 - MAN STR PROTECTORS-GV1/GV3                |
| Discount Schedule     | I11                                               |
| GTIN                  | 00785901504832                                    |
| Nbr. of units in pkg. | 1                                                 |
| Product availability  | Stock - Normally stocked in distribution facility |
| Returnability         | Y                                                 |
| Country of origin     | CN                                                |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|