



## Main

|                                             |                                                                                                                                                                                                                                                              |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | TeSys                                                                                                                                                                                                                                                        |
| Product name                                | TeSys GS                                                                                                                                                                                                                                                     |
| Device short name                           | GS2T                                                                                                                                                                                                                                                         |
| Product or component type                   | Switch-disconnector-fuse                                                                                                                                                                                                                                     |
| Poles description                           | 3P                                                                                                                                                                                                                                                           |
| Protected poles description                 | 3t                                                                                                                                                                                                                                                           |
| Contacts type and composition               | 3 NO                                                                                                                                                                                                                                                         |
| [Ith] conventional free air thermal current | 800 A (at 40 °C)                                                                                                                                                                                                                                             |
| [Ie] rated operational current              | 800 A at 440 V 2 poles in series per phase DC-23A<br>800 A at 440 V 2 poles in series per phase DC-23B<br>630 A at 500 V AC-23A<br>630 A at 500 V AC-23B<br>630 A at 690 V AC-23A<br>630 A at 690 V AC-23B<br>800 A at 400 V AC-23A<br>800 A at 400 V AC-23B |
| Fuse type                                   | BS                                                                                                                                                                                                                                                           |
| Fuse size                                   | C3                                                                                                                                                                                                                                                           |
| Network type                                | DC<br>AC                                                                                                                                                                                                                                                     |
| Network frequency                           | 50/60 Hz                                                                                                                                                                                                                                                     |

## Complementary

|                                        |                                                           |
|----------------------------------------|-----------------------------------------------------------|
| Type of operating handle               | External frontal<br>Direct frontal<br>External right side |
| Mounting support                       | Plate                                                     |
| [Ui] rated insulation voltage          | 1000 V AC 50/60 Hz                                        |
| [Uimp] rated impulse withstand voltage | 12 kV                                                     |
| Rated operational power in W           | 400 kW at 690 V<br>450 kW at 400 V<br>450 kW at 500 V     |
| Making capacity                        | 8000 A at 400 V AC-23B                                    |

|                                           |                                                                                                                                                                                  |
|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Icm] rated short-circuit making capacity | 80 kA at 400 V with protection by gG fuses                                                                                                                                       |
| Breaking capacity                         | 6400 A at 400 V (AC-23B)                                                                                                                                                         |
| Short-circuit withstand                   | 80 kA                                                                                                                                                                            |
| Mechanical durability                     | 8000 cycles                                                                                                                                                                      |
| Electrical durability                     | 1000 cycles AC-23A<br>1000 cycles AC-23B<br>200 cycles DC-23A<br>200 cycles DC-23B                                                                                               |
| Connections - terminals                   | Power circuit: bars 63 mm <sup>2</sup><br>Power circuit: lugs-ring terminals 2 cable(s) 300 mm <sup>2</sup><br>Power circuit: lugs-ring terminals 2 cable(s) 185 mm <sup>2</sup> |
| Tightening torque                         | Power circuit: 44 N.m                                                                                                                                                            |

## Environment

|                                       |                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------|
| Standards                             | IEC 60947-3                                                                              |
| Product certifications                | CE                                                                                       |
| IP degree of protection               | IP20 conforming to IEC 60529 (with terminal cover)                                       |
| Ambient air temperature for operation | -20...70 °C                                                                              |
| Ambient air temperature for storage   | -40...80 °C                                                                              |
| Fire resistance                       | 850 °C fuse cover conforming to IEC 60695-2-1<br>960 °C body conforming to IEC 60695-2-1 |
| Height                                | 300 mm                                                                                   |
| Width                                 | 364 mm                                                                                   |
| Depth                                 | 250 mm                                                                                   |
| Product weight                        | 17 kg                                                                                    |

## Offer Sustainability

|                            |                                                  |
|----------------------------|--------------------------------------------------|
| REACH free of SVHC         | Yes                                              |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                              |
| Mercury free               | Yes                                              |
| RoHS exemption information | <a href="#">Yes</a>                              |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>           |

## Contractual warranty

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