

# Product datasheet

Specifications



## TeSys GS - switch-disconnector fuse - 3 P - 100 A - NFC 22 x 58 mm

GS1JD3

Price: 6,337.58 ZAR

To be discontinued

### Main

|                                             |                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | TeSys                                                                                                                                                                                                                                                                                                |
| Product Name                                | TeSys GS                                                                                                                                                                                                                                                                                             |
| Device Short Name                           | GS1 J                                                                                                                                                                                                                                                                                                |
| Product Or Component Type                   | Switch-disconnector-fuse                                                                                                                                                                                                                                                                             |
| Device Application                          | Protection                                                                                                                                                                                                                                                                                           |
| Poles Description                           | 3P                                                                                                                                                                                                                                                                                                   |
| Protected Poles Description                 | 3t                                                                                                                                                                                                                                                                                                   |
| Contacts Type And Composition               | 3 NO                                                                                                                                                                                                                                                                                                 |
| [Ith] Conventional Free Air Thermal Current | 100 A (at 40 °C)                                                                                                                                                                                                                                                                                     |
| [Ie] Rated Operational Current              | 100 A at 440 V 2 poles in series per phase DC-23A<br>100 A at 440 V 2 poles in series per phase DC-23B<br>100 A at 690 V with terminal cover AC-23A<br>100 A at 690 V with terminal cover AC-23B<br>100 A at 400 V AC-23A<br>100 A at 400 V AC-23B<br>100 A at 500 V AC-23A<br>100 A at 500 V AC-23B |
| Fuse Type                                   | NFC                                                                                                                                                                                                                                                                                                  |
| Fuse Size                                   | 22 x 58 mm                                                                                                                                                                                                                                                                                           |
| Network Type                                | AC<br>DC                                                                                                                                                                                                                                                                                             |
| Network Frequency                           | 50/60 Hz                                                                                                                                                                                                                                                                                             |

### Complementary

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| Type Of Operating Handle               | Direct right side                                  |
| Mounting Support                       | Plate                                              |
| [Ui] Rated Insulation Voltage          | 750 V AC 50/60 Hz                                  |
| [Uimp] Rated Impulse Withstand Voltage | 8 kV                                               |
| Rated Operational Power In W           | 55 kW at 400 V<br>75 kW at 500 V<br>90 kW at 690 V |
| Breaking Capacity                      | 9 W                                                |
| Making Capacity                        | 1000 A at 400 V AC-23B                             |
| Breaking Capacity                      | 800 A at 400 V (AC-23B)                            |
| Short-Circuit Withstand                | 20 kA                                              |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                                           |                                                                                    |
|-------------------------------------------|------------------------------------------------------------------------------------|
| Mechanical Durability                     | 10000 cycles                                                                       |
| Electrical Durability                     | 1500 cycles AC-23A<br>1500 cycles AC-23B<br>300 cycles DC-23A<br>300 cycles DC-23B |
| Connections - Terminals                   | Power circuit: bars<br>Power circuit: lugs-ring terminals25...95 mm² flexible      |
| [Icm] Rated Short-Circuit Making Capacity | 100 kA at 400 V with protection by gG fuses                                        |
| Tightening Torque                         | Power circuit: 12 N.m - on bars<br>Power circuit: 12 N.m - on lugs-ring terminals  |

## Environment

|                                       |                                                                                          |
|---------------------------------------|------------------------------------------------------------------------------------------|
| Standards                             | IEC 60947-3                                                                              |
| Product Certifications                | CE                                                                                       |
| Protective Treatment                  | TH                                                                                       |
| 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                                | 162 mm                                                                                   |
| Width                                 | 150 mm                                                                                   |
| Depth                                 | 116 mm                                                                                   |
| Net Weight                            | 1.5 kg                                                                                   |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 18.5 cm   |
| Package 1 Width              | 21.0 cm   |
| Package 1 Length             | 22.5 cm   |
| Package 1 Weight             | 1.737 kg  |
| Unit Type Of Package 2       | S06       |
| Number Of Units In Package 2 | 27        |
| Package 2 Height             | 75.0 cm   |
| Package 2 Width              | 60.0 cm   |
| Package 2 Length             | 80.0 cm   |
| Package 2 Weight             | 59.899 kg |

## Contractual warranty

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

Sustainability



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Transparency   RoHS/REACH

## Well-being performance

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Toxic Heavy Metal Free     |     |
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |

## Certifications & Standards

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Reach Regulation         | <a href="#">REACH Declaration</a>                |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</a> |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a>           |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>    |
| Circularity Profile      | <a href="#">End of Life Information</a>          |