

# Product data sheet

Specifications



## Fuse carrier, TeSys DF, 3P, 32A, 690VAC, fuse size 10x38mm

DF103

### Main

|   |  |
|---|--|
| Range                                       | TeSys  |
| Product name                                | TeSys DF   |
| Product or component type                   | Fuse carrier   |
| Device short name                           | DF10   |
| Product compatibility                       | DF2CA fuse cartridge<br>DF2CN fuse cartridge         |
| Poles description                           | 3P   |
| Fuse size                                   | 10 x 38 mm   |
| Fuse type                                   | , gG<br>, aM   |
| Control type                                | Toggle padlockable                                   |
| Utilisation category                        | AC-20B IEC 60947-3<br>DC-20B IEC 60947-3             |
| [Ue] rated operational voltage              | 690 V AC<br>690 V DC                                 |
| [Ie] rated operational current              | 32 A 400 V AC  |
| [Ith] conventional free air thermal current | 32 A 68 °F (20 °C)                                   |
| [Ui] rated insulation voltage               | 690 V AC   |
| [Uimp] rated impulse withstand voltage      | 6 kV   |
| Overvoltage category                        | III  |
| Short-circuit withstand                     | 120 kA 400 V IEC 60947-3<br>120 kA 500 V IEC 60947-3 |
| Power dissipation in W                      | 3 W maximum power dissipation by fuse                |

### Complementary

|                        |  |
|------------------------|--|
| Standards              | EN/IEC 60947-3<br>EN/IEC 60269-2<br>UL 4248-1<br>CSA C22.2 No 4248-1<br>EN 45545-2 R22 HL2 |
| Product certifications | IEC<br>UL recognized<br>CSA<br>CCC<br>EAC<br>DNV-GL  |

|                                |  |
|--------------------------------|--|
| <b>Mounting support</b>        | 35 mm symmetrical DIN rail   |
| <b>Mounting position</b>       | Vertical +/- 23°)  |
| <b>Connections - terminals</b> | screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> )rigid<br>screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> )rigid<br>screw clamp terminals 1 0.00...0.02 in <sup>2</sup> (1...16 mm <sup>2</sup> )flexible with or without<br>screw clamp terminals 2 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> )flexible with or without |
| <b>Tightening torque</b>       | 19.47 lbf.in (2.2 N.m) PZ2<br>19.47 lbf.in (2.2 N.m) flat Ø 5.5 mm   |
| <b>Height</b>                  | 3.13 in (79.5 mm)  |
| <b>Width</b>                   | 2.07 in (52.5 mm)  |
| <b>Depth</b>                   | 2.40 in (61 mm)  |
| <b>Product weight</b>          | 0.28 lb(US) (0.126 kg)   |
| <b>Quantity per set</b>        | Set of 4   |

## Environment

|  |   |
|--|---|
| <b>Ambient air temperature for storage</b>   | -40...158 °F (-40...70 °C)                          |
| <b>Ambient air temperature for operation</b> | -40...158 °F (-40...70 °C) with derating above 20°C |
| <b>Operating altitude</b>                    | 0...2000 m  |
| <b>IP degree of protection</b>               | IP20  |
| <b>Pollution degree</b>                      | 3   |
| <b>Fire resistance</b>                       | 1760 °F (960 °C) IEC 60695-2-1                      |
| <b>Compatibility code</b>                    | DF10  |

## Packing Units

|                                     |                         |
|-------------------------------------|-------------------------|
| <b>Unit Type of Package 1</b>       | PCE                     |
| <b>Number of Units in Package 1</b> | 1                       |
| <b>Package 1 Height</b>             | 2.09 in (5.300 cm)      |
| <b>Package 1 Width</b>              | 2.44 in (6.200 cm)      |
| <b>Package 1 Length</b>             | 3.15 in (8.000 cm)      |
| <b>Package 1 Weight</b>             | 4.69 oz (133.000 g)     |
| <b>Unit Type of Package 2</b>       | BB1                     |
| <b>Number of Units in Package 2</b> | 4                       |
| <b>Package 2 Height</b>             | 2.68 in (6.800 cm)      |
| <b>Package 2 Width</b>              | 3.35 in (8.500 cm)      |
| <b>Package 2 Length</b>             | 8.74 in (22.200 cm)     |
| <b>Package 2 Weight</b>             | 20.11 oz (570.000 g)    |
| <b>Unit Type of Package 3</b>       | S03                     |
| <b>Number of Units in Package 3</b> | 64                      |
| <b>Package 3 Height</b>             | 11.81 in (30.000 cm)    |
| <b>Package 3 Width</b>              | 11.81 in (30.000 cm)    |
| <b>Package 3 Length</b>             | 15.75 in (40.000 cm)    |
| <b>Package 3 Weight</b>             | 20.95 lb(US) (9.504 kg) |

## Offer Sustainability

|                                 |                       |
|---------------------------------|-----------------------|
| <b>Sustainable offer status</b> | Green Premium product |
|---------------------------------|-----------------------|

|                                   |   |
|-----------------------------------|---|
| <b>REACH Regulation</b>           | <a href="#">REACH Declaration</a>   |
| <b>REACH free of SVHC</b>         | Yes   |
| <b>EU RoHS Directive</b>          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| <b>Toxic heavy metal free</b>     | Yes   |
| <b>Mercury free</b>               | Yes   |
| <b>China RoHS Regulation</b>      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| <b>RoHS exemption information</b> | Yes   |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>   |
| <b>WEEE</b>                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|

## Recommended replacement(s)