# Product data sheet

Specifications




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

DF103

**Product availability: Stock - Normally stocked in distribution facility**

## 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** | 0…32 A, gG<br>0…32 A, 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 |
| **Mounting Support** | 35 mm symmetrical DIN rail |
| **Mounting position** | Vertical +/- 23°) |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

| | |
|---|---|
| **Connections - terminals** | screw clamp terminals 1 0.002…0.02 in² (1…16 mm²)rigid<br>screw clamp terminals 2 0.002…0.009 in² (1…6 mm²)rigid<br>screw clamp terminals 1 0.002…0.02 in² (1…16 mm²)flexible with or without<br>screw clamp terminals 2 0.002…0.009 in² (1…6 mm²)flexible with or without |
| **Tightening torque** | 19.5 lbf.in (2.2 N.m) PZ2<br>19.5 lbf.in (2.2 N.m) flat Ø 5.5 mm |
| **Height** | 3.1 in (79.5 mm) |
| **Width** | 2.07 in (52.5 mm) |
| **Depth** | 2.4 in (61 mm) |
| **Product Weight** | 0.278 lb(US) (0.126 kg) |
| **Quantity per Set** | Set of 4 |

## Environment

| | |
|---|---|
| **Ambient air temperature for storage** | -40…158 °F (-40…70 °C) |
| **Ambient air temperature for operation** | -40…158 °F (-40…70 °C) with derating above 20°C |
| **Operating altitude** | 0...6561.68 ft (0...2000 m) |
| **IP degree of protection** | IP20 |
| **Pollution degree** | 3 |
| **Fire resistance** | 1760 °F (960 °C) IEC 60695-2-1 |
| **Compatibility code** | DF10 |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US10CP121714 |
| **Discount Schedule** | 0CP1 |
| **GTIN** | 3389119407243 |
| **Returnability** | Yes |
| **Country of origin** | FR |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 2.441 in (6.200 cm) |
| **Package 1 Width** | 2.087 in (5.300 cm) |
| **Package 1 Length** | 3.150 in (8.000 cm) |
| **Package weight(Lbs)** | 4.691 oz (133.000 g) |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 4 |
| **Package 2 Height** | 2.638 in (6.700 cm) |
| **Package 2 Width** | 3.386 in (8.600 cm) |
| **Package 2 Length** | 8.740 in (22.200 cm) |
| **Package 2 Weight** | 19.894 oz (564.000 g) |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 64 |

| | |
|---|---|
| **Package 3 Height** | 11.811 in (30.000 cm) |
| **Package 3 Width** | 11.811 in (30.000 cm) |
| **Package 3 Length** | 15.748 in (40.000 cm) |
| **Package 3 Weight** | 21.072 lb(US) (9.558 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **4 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **1 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **3 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| EU RoHS Directive | **Compliant** |
| REACh Regulation | **Free of Substances of Very High Concern above the threshold** |
| California proposition 65 | **WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Circularity Profile | **No need of specific recycling operations** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.** |

Technical Illustration

**Assembly's dimensions**

