

# Product datasheet

Specifications



Fuse carrier, TeSys DF, 3P+N, 50A, 690VAC, fuse size 14x51mm, blown fuse indicator

DF143NVC

## Main

|                                        |                                                                                                                           |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Range                                  | TeSys                                                                                                                     |
| Product name                           | TeSys DF                                                                                                                  |
| Product or component type              | Fuse carrier                                                                                                              |
| Device short name                      | DF14                                                                                                                      |
| Device composition                     | tubular link for locked in Neutral pole                                                                                   |
| Product compatibility                  | DF3EA fuse cartridge striker<br>DF3EN fuse cartridge striker<br>DF14AM auxiliary contact block                            |
| Poles description                      | 3P + N                                                                                                                    |
| Fuse size                              | 14 x 51 mm                                                                                                                |
| Fuse type                              | 0...50 A, gG<br>0...50 A, aM                                                                                              |
| Control type                           | Toggle                                                                                                                    |
| Local signalling                       | Blown fuse indication                                                                                                     |
| [Ue] rated operational voltage         | 690 V AC<br>690 V DC                                                                                                      |
| [Ie] rated operational current         | 50 A                                                                                                                      |
| [Ui] rated insulation voltage          | 690 V AC                                                                                                                  |
| [Uimp] rated impulse withstand voltage | 8 kV                                                                                                                      |
| [Ipk] rated peak withstand current     | 15 kA with tubular links conforming to IEC 60269-1                                                                        |
| Short-circuit withstand                | 120 kA 400 V conforming to IEC 60947-3<br>120 kA 500 V conforming to IEC 60947-3<br>80 kA 690 V conforming to IEC 60947-3 |

## Complementary

|                         |                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards               | EN/IEC 60947-3<br>EN/IEC 60269-2<br>UL 4248-1<br>CSA C22.2 No 4248-1                                                                                                                                                                                       |
| Product certifications  | IEC<br>UL recognized<br>CSA<br>EAC                                                                                                                                                                                                                         |
| Mounting support        | 35 mm symmetrical DIN rail                                                                                                                                                                                                                                 |
| Mounting position       | Vertical (tolerance: +/- 23°)                                                                                                                                                                                                                              |
| Connections - terminals | Screw clamp terminals 1 cable(s) 2.5...25 mm²rigid<br>Screw clamp terminals 2 cable(s) 2.5...10 mm²rigid<br>Screw clamp terminals 1 cable(s) 2.5...25 mm²flexible with or without<br>Screw clamp terminals 2 cable(s) 2.5...10 mm²flexible with or without |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

|                   |          |
|-------------------|----------|
| Tightening torque | 3.5 N.m  |
| Height            | 110.8 mm |
| Width             | 105 mm   |
| Depth             | 76.5 mm  |
| Net weight        | 0.573 kg |
| Quantity per set  | Set of 1 |

## Environment

|                                       |                                      |
|---------------------------------------|--------------------------------------|
| Ambient air temperature for storage   | -40...80 °C                          |
| Ambient air temperature for operation | -20...60 °C with derating above 20°C |
| IP degree of protection               | IP20 conforming to IEC 60529         |
| Protective treatment                  | TH                                   |
| Fire resistance                       | 960 °C conforming to IEC 60695-2-1   |
| Compatibility code                    | DF14                                 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 9.000 cm  |
| Package 1 Width              | 11.300 cm |
| Package 1 Length             | 18.500 cm |
| Package 1 Weight             | 548.000 g |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 7.012 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                       | 10 kg CO2 eq.                                 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 6 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0.2 kg CO2 eq.                                |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 4 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.1 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                         |
| Packaging without single use plastic   | Yes                                                                         |
| EU RoHS Directive                      | <a href="#">Compliant</a>                                                   |
| REACH Regulation                       | <a href="#">Free of Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

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

## Use Again



### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | No need of specific recycling operations                                                                                                                                                                        |
| Take-back                       | Nej                                                                                                                                                                                                             |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |