# Product data sheet
## Characteristics

# DF142V
Fuse carrier, TeSys DF, 2P, 50A, 690VAC, fuse size 14x51mm, blown fuse indicator



## Main

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|---|---|
| Range | TeSys |
| Product name | TeSys DF |
| Product or component type | Fuse carrier |
| Device short name | DF14 |
| Product compatibility | DF2EA fuse cartridge<br>DF2EN fuse cartridge |
| Poles description | 2P |
| Fuse size | 14 x 51 mm |
| Fuse type | 0…50 A, aM<br>0…50 A, gG |
| 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 |
| Power dissipation in W | 5 W maximum power dissipation by fuse |

## Complementary

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|---|---|
| Standards | EN/IEC 60947-3<br>EN/IEC 60269-2<br>UL 4248-1<br>CSA C22.2 No 4248-1 |
| Product certifications | IEC[RETURN]UL recognized[RETURN]CSA[RETURN]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 |
| Tightening torque | 3.5 N.M |
| Height | 110.8 Mm |
| Width | 52.5 Mm |
| Depth | 76.5 Mm |

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| Net weight | 0.283 Kg |
| Quantity per set | Set of 3 |

## Environment

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|---|---|
| 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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 11.1 Cm |
| Package 1 Width | 5.3 Cm |
| Package 1 Length | 7.7 Cm |
| Package 1 Weight | 238 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 3 |
| Package 2 Height | 9 Cm |
| Package 2 Width | 12 Cm |
| Package 2 Length | 18.2 Cm |
| Package 2 Weight | 775 G |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 24 |
| Package 3 Height | 30 Cm |
| Package 3 Width | 30 Cm |
| Package 3 Length | 40 Cm |
| Package 3 Weight | 6.644 Kg |

## Offer Sustainability

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|---|---|
| Total lifecycle Carbon footprint | 4 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2.5089166666666665 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 3 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.08280416666666666 |
| Carbon footprint of the distribution phase [A4] | 0.1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0006644166666666667 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 1.85 |
| REACh free of SVHC | Yes |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 2 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.02399833333333333 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 4 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxi |

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|---|---|
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

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

Product Life Status : Commercialised