

# Product data sheet

Specifications



## Fuse carrier, TeSys DF, 1P+N, 50A, 690VAC, fuse size 14x51mm, with tubular link

DF141N

**!** To be discontinued on: 31 December 2023

**!** To be discontinued

### Main

Range	TeSys
Product name	TeSys DF
Product or component type	Fuse carrier
Device short name	DF14
Device composition	tubular link locked in Neutral pole
Product compatibility	DF2EA fuse cartridge DF2EN fuse cartridge
Poles description	1P + N
Fuse size	14 x 51 mm
Fuse type	, gG , aM
Control type	Toggle
[Ue] rated operational voltage	690 V AC 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 IEC 60269-1
Short-circuit withstand	120 kA 400 V IEC 60947-3 120 kA 500 V IEC 60947-3 80 kA 690 V IEC 60947-3

### Complementary

Standards	EN/IEC 60947-3 EN/IEC 60269-2 UL 4248-1 CSA C22.2 No 4248-1
Product certifications	IEC UL recognized CSA EAC
Mounting support	35 mm symmetrical DIN rail
Mounting position	Vertical +/- 23°)

<b>Connections - terminals</b>	screw clamp terminals 1 0.00...0.04 in <sup>2</sup> (2.5...25 mm <sup>2</sup> )rigid screw clamp terminals 2 0.00...0.02 in <sup>2</sup> (2.5...10 mm <sup>2</sup> )rigid screw clamp terminals 1 0.00...0.04 in <sup>2</sup> (2.5...25 mm <sup>2</sup> )flexible with or without screw clamp terminals 2 0.00...0.02 in <sup>2</sup> (2.5...10 mm <sup>2</sup> )flexible with or without
<b>Tightening torque</b>	30.98 lbf.in (3.5 N.m)
<b>Height</b>	4.36 in (110.8 mm)
<b>Width</b>	2.07 in (52.5 mm)
<b>Depth</b>	3.01 in (76.5 mm)
<b>Net weight</b>	0.64 lb(US) (0.290 kg)
<b>Quantity per set</b>	Set of 3

## Environment

<b>Ambient air temperature for storage</b>	-40...176 °F (-40...80 °C)
<b>Ambient air temperature for operation</b>	-4...140 °F (-20...60 °C) with derating above 20°C
<b>IP degree of protection</b>	IP20 IEC 60529
<b>Protective treatment</b>	TH
<b>Fire resistance</b>	1760 °F (960 °C) IEC 60695-2-1
<b>Compatibility code</b>	DF14

## 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 (5.3 cm)
<b>Package 1 Width</b>	3.03 in (7.7 cm)
<b>Package 1 Length</b>	4.37 in (11.1 cm)
<b>Package 1 Weight</b>	9.31 oz (264.0 g)
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	3
<b>Package 2 Height</b>	3.35 in (8.5 cm)
<b>Package 2 Width</b>	4.80 in (12.2 cm)
<b>Package 2 Length</b>	7.17 in (18.2 cm)
<b>Package 2 Weight</b>	27.94 oz (792.0 g)
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	36
<b>Package 3 Height</b>	11.81 in (30.0 cm)
<b>Package 3 Width</b>	11.81 in (30.0 cm)
<b>Package 3 Length</b>	15.75 in (40.0 cm)
<b>Package 3 Weight</b>	22.15 lb(US) (10.048 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 <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> 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
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## Recommended replacement(s)

DF141N is replaced by:

1x



Fuse carrier, TeSys DF, 2P, 50A, 690VAC, fuse size 14x51mm  
DF142