

Product data sheet

Specifications



Fuse switch disconnecter body ISFT - 3Poles 3 F - DIN NH00 - 160 A

49803

❗ Discontinued on: 22 December 2020

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Main

Range	FuPact
Product name	FuPacT ISFT
Device short name	ISFT160
Product or component type	Fuse-switch disconnecter
Device application	Distribution Equipment protection, monitoring and control
Poles description	3P
Fuse type	DIN
Fuse size	NH000 NH00
Suitability for isolation	Yes
Visible break	Yes
[Ith] conventional free air thermal current	112 A (70 °C) horizontal 112 A (70 °C) vertical 120 A (65 °C) horizontal 120 A (65 °C) vertical 128 A (60 °C) horizontal 128 A (60 °C) vertical 136 A (55 °C) horizontal 136 A (55 °C) vertical 144 A (50 °C) horizontal 144 A (50 °C) vertical 152 A (45 °C) horizontal 152 A (45 °C) vertical 160 A (40 °C) power dissipation per fuse: 12 W 160 A (40 °C) horizontal 160 A (40 °C) vertical
[Ithe] conventional enclosed thermal current	160 A at 40 °C, Power dissipation per fuse: 12 W
[Ue] rated operational voltage	440 V DC 690 V AC 50/60 Hz 800 V AC 50/60 Hz AC-20 800 V DC DC-20
[Ui] rated insulation voltage	800 V AC 50/60 Hz 800 V DC
[Uimp] rated impulse withstand voltage	8 kV
[Ie] rated operational current	AC-21B: 100 A at 660/690 V AC 50/60 Hz AC-21B: 160 A at 220/240 V AC 50/60 Hz AC-21B: 160 A at 380/415 V AC 50/60 Hz AC-22B: 160 A at 220/240 V AC 50/60 Hz AC-22B: 160 A at 380/415 V AC 50/60 Hz AC-21B: 160 A at 440/480 V AC 50/60 Hz

AC-21B: 160 A at 500 V AC 50/60 Hz
 DC-21B: 160 A at 125 V DC (1 pole)
 DC-21B: 160 A at 220 V DC (1 pole)
 DC-21B: 160 A at 440 V DC (2 poles in series)

Complementary

[Icm] Rated short-circuit making capacity	Icm 105 kA at 500 V Icm 105 kA at 690 V Icn 50 kA at 500 V Icn 50 kA at 690 V Icm 105 kA at 415 V Icn 50 kA at 415 V
Rated duty	Uninterrupted
Control type	Fuse carriers handle
Provision for padlocking	3 padlocks
Mounting support	Mounting plate
Mounting location	Side by side
Contact operation	Single-break
Mechanical durability	1600 cycles
Electrical durability	AC-21B: 200 cycles 690 V AC 50/60 Hz AC-22B: 200 cycles 415 V AC 50/60 Hz
Connections - terminals	Screw connection M8 160 A
Tightening torque	4 N.m for terminal
Width	107 mm
Height	163 mm
Depth	80 mm
Standards	EN/IEC 60947-3 IEC 60269-2-1 EN/IEC 60947-1
Product certifications	KEMA-KEUR

Environment

IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Pollution degree	3 conforming to IEC 60947
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13 cm
Package 1 Width	14 cm
Package 1 Length	23 cm
Package 1 Weight	705 g

Offer Sustainability

EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes

Mercury free	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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Recommended replacement(s)

49803 is replaced by:

1x



Fuse switch disconnecter, FuPacT ISFT160, 160A, DIN NH00, 3 poles, backplate mounting, M8 terminals
LV480801