

Product Datasheet

Characteristic

LV480808

Fuse switch disconnecter, FuPacT ISFT630, 630A, DIN NH03, 3 poles, backplate mounting



Main

Range	FuPacT
Product name	FuPacT ISFT
Device short name	ISFT630
product or component type	Fuse-switch disconnecter
Device application	Distribution Equipment protection, monitoring and control
Signalling function	Separated fuse monitor
poles description	3P
Number of fuse carriers	3
Fuse type	DIN
Fuse size	NH3
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Visible break	Yes
Contact position indicator	Yes
[I _{th}] conventional free air thermal current	630 A (40 °C) power dissipation per fuse: 48 W
[I _{th} e] conventional enclosed thermal current	630 A at 40 °C, Power dissipation per fuse: 48 W
Maximum power dissipation per pole	67 W
[U _e] rated operational voltage	690 V AC 50/60 Hz 440 V DC 800 V AC 50/60 Hz AC-20 800 V DC DC-20
[U _i] rated insulation voltage	1000 V AC 50/60 Hz 1000 V DC
[U _{imp}] rated impulse withstand voltage	8 kV
[I _e] rated operational current	AC-21B: 630 A at 220/240 V AC 50/60 Hz AC-21B: 630 A at 380/415 V AC 50/60 Hz AC-21B: 630 A at 440/480 V AC 50/60 Hz AC-21B: 630 A at 500 V AC 50/60 Hz AC-21B: 630 A at 660/690 V AC 50/60 Hz AC-22B: 630 A at 220/240 V AC 50/60 Hz AC-22B: 630 A at 380/415 V AC 50/60 Hz AC-22B: 630 A at 440/480 V AC 50/60 Hz AC-22B: 630 A at 500 V AC 50/60 Hz AC-22B: 630 A at 660/690 V AC 50/60 Hz DC-21B: 630 A at 220 V DC (3 poles in series) DC-21B: 630 A at 440 V DC (3 poles in series) DC-22B: 630 A at 220 V DC (3 poles in series)

Complementary

Breaking capacity	80 kA at 415 V (AC) 80 kA at 500 V (AC) 25 kA at 690 V (AC)
[I _{cw}] rated short-time withstand current	20.4 kA for 1 s
[I _m] rated making and breaking capacity	42.4 kA at 690 V
Rated duty	Uninterrupted
Control type	Fuse carriers handle
Provision for padlocking	Lead seal
Mounting position	Vertical Horizontal
mounting mode	Fixed
Mounting support	Mounting plate Busbars
mounting location	Side by side
Contact operation	Single-break
Mechanical durability	1000 cycles
Electrical durability	AC-21B: 200 cycles 690 V AC 50/60 Hz AC-22B: 200 cycles 500 V AC 50/60 Hz AC-23B: 200 cycles 415 V AC 50/60 Hz
Connections - terminals	Screw connection upstream M10 630 A Screw connection downstream M10 630 A
Tightening torque	20 N.m for terminal
Width	250 mm
Height	306 mm
Depth	130 mm
net weight	3.5 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-3
Product certifications	CE CCC EAC

Environment

Electrical shock protection class	Class II front face
IP degree of protection	IP3x front face: 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	-20...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	17.500 cm
Package 1 Width	26.500 cm
Package 1 Length	35.000 cm
Package 1 Weight	4.130 kg
Unit Type of Package 2	S04
Number of Units in Package 2	3
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	12.898 kg
Unit Type of Package 3	P12
Number of Units in Package 3	36
Package 3 Height	105.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm

Package 3 Weight	169.000 kg
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Offer Sustainability

REACH Regulation	Free of Substances of Very High Concern above the threshold
REACH free of SVHC	Yes
EU RoHS Directive	Compliant
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins