



Main

Range of product	ISFT100N
Range	FuPact
Product name	Fupact ISFT
Device short name	ISFT100N
Product or component type	Fuse-switch disconnecter
Device application	Distribution Equipment protection, monitoring and control

Complementary

Poles description	3P
Protected poles description	3f
Fuse type	DIN
Fuse size	NH000
Network type	AC DC
Network frequency	50/60 Hz
Control type	Fuse carriers handle
[Ith] conventional free air thermal current	100 A (40 °C) horizontal 100 A (40 °C) vertical 70 A (70 °C) horizontal 70 A (70 °C) vertical 75 A (65 °C) horizontal 75 A (65 °C) vertical 80 A (60 °C) horizontal 80 A (60 °C) vertical 85 A (55 °C) horizontal 85 A (55 °C) vertical 90 A (50 °C) horizontal 90 A (50 °C) vertical 95 A (45 °C) horizontal 95 A (45 °C) vertical 100 A (40 °C) power dissipation per fuse: 7.5 W
[Ithe] conventional enclosed thermal current	100 A at 40 °C, Power dissipation per fuse: 7.5 W
Rated duty	Uninterrupted
[Ui] rated insulation voltage	800 V AC 50/60 Hz 800 V DC
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	440 V DC 690 V AC 50/60 Hz 690 V AC 50/60 Hz AC-20 690 V DC DC-20

[I _e] rated operational current	AC-21B: 100 A AC 50/60 Hz 440/480 V AC-21B: 100 A AC 50/60 Hz 500 V AC-21B: 100 A AC 50/60 Hz 660/690 V AC-21B: 100 A AC 50/60 Hz 220/240 V AC-21B: 100 A AC 50/60 Hz 380/415 V AC-22B: 100 A AC 50/60 Hz 220/240 V AC-22B: 100 A AC 50/60 Hz 380/415 V AC-22B: 100 A AC 50/60 Hz 440/480 V AC-22B: 100 A AC 50/60 Hz 500 V AC-23B: 100 A AC 50/60 Hz 220/240 V AC-23B: 100 A AC 50/60 Hz 380/415 V DC-21B: 100 A DC 125 V 3 poles in series DC-21B: 100 A DC 220 V 3 poles in series DC-21B: 100 A DC 440 V 3 poles in series DC-22B: 100 A DC 125 V 3 poles in series DC-22B: 100 A DC 220 V 3 poles in series DC-22B: 100 A DC 440 V 3 poles in series
[I _m] rated making and breaking capacity	I _{cm} 105 kA at 500 V I _{cm} 105 kA at 690 V I _{cm} 176 kA at 415 V I _{cn} 50 kA at 500 V I _{cn} 50 kA at 690 V I _{cn} 80 kA at 415 V
Suitability for isolation	Yes
Visible break	Yes
Contact operation	Single-break
Mechanical durability	2000 cycles
Electrical durability	AC-21B: 300 cycles 690 V AC 50/60 Hz AC-22B: 300 cycles 415 V AC 50/60 Hz AC-23B: 300 cycles 415 V AC 50/60 Hz
Electrical shock protection class	Class II front face
Provision for padlocking	Lead seal
Mounting support	DIN rail, with specific accessories Mounting plate
Mounting support	DIN rail Mounting plate
Mounting location	Side by side
Design	Horizontal design
Connections terminals	Screw clamp terminals
Connections - terminals	Screw clamp terminals downstream 100 A 2.5...50 mm ² Screw clamp terminals upstream 100 A 2.5...50 mm ²
Tightening torque	4.5 N.m for terminal

Environment

Height	216 mm
Width	53 mm
Depth	82 mm
Standards	IEC 60269-2 EN/IEC 60947-3 EN/IEC 60947-1
Product certifications	EAC CCC CE
IP degree of protection	IP3x 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 Weight	600 g
Package 1 Height	7 cm
Package 1 width	14.5 cm
Package 1 Length	24 cm
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Weight	7.687 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
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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