



### Main

Range of product	ISFT100
Range	Fupact
Product name	Fupact ISFT
Device short name	ISFT100
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
[I <sub>th</sub> ] conventional free air thermal current	100 A ( 40 °C ) power dissipation per fuse: 9 W 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
[I <sub>the</sub> ] conventional enclosed thermal current	100 A ( 40 °C ) / Power dissipation per fuse: 9 W 160 A ( 40 °C ) / Power dissipation per fuse: 9 W
Rated duty	Uninterrupted
[U <sub>i</sub> ] rated insulation voltage	690 V AC 50/60 Hz 690 V DC

[Uimp] rated impulse withstand voltage	6 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
[Ie] rated operational current	100 A AC-21B 440/480 V AC 50/60 Hz 100 A AC-21B 500 V AC 50/60 Hz 100 A AC-21B 660/690 V AC 50/60 Hz 160 A AC-21B 220/240 V AC 50/60 Hz 160 A AC-21B 380/415 V AC 50/60 Hz 160 A AC-22B 220/240 V AC 50/60 Hz 160 A AC-22B 380/415 V AC 50/60 Hz 100 A DC-21B 125 V DC 1 pole 100 A DC-21B 220 V DC 1 pole 100 A DC-21B 440 V DC 1 pole
[Im] rated making and breaking capacity	Icm 105 kA 500 V Icm 105 kA 690 V Icm 176 kA 415 V Icn 50 kA 500 V Icn 50 kA 690 V Icn 80 kA 415 V
Suitability for isolation	Yes
Visible break	Yes
Contact operation	Single-break
Mechanical durability	2000 cycles
Electrical durability	300 cycles 690 V AC 50/60 Hz AC-21B 300 cycles 415 V AC 50/60 Hz AC-22B
Provision for padlocking	3 padlocks
Mounting support	DIN rail Mounting plate
Mounting support	Mounting plate DIN rail with specific accessories
Mounting location	Side by side
Design	Horizontal design
Connections terminals	Screw clamp terminals
Connections - terminals	Screw clamp terminals 100 A cable 1.5...50 mm <sup>2</sup>
Tightening torque	Terminal : 3 N.m

## Environment

Height	141 mm
Width	89 mm
Depth	71 mm
Standards	EN/IEC 60947-1 EN/IEC 60947-3 IEC 60269-2-1
Product certifications	KEMA-KEUR
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
Compatibility code	ISFT100

## Contractual warranty

Warranty period	18 months
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