



Main

Range of product	ISFT160
Range	Fupact
Product name	Fupact ISFT
Device short name	ISFT160
Product or component type	Fuse-switch disconnecter
Device application	Equipment protection, monitoring and control Distribution

Complementary

Poles description	3P
Protected poles description	3f
Fuse type	DIN
Fuse size	NH00
Network type	AC
Network frequency	50/60 Hz
Control type	Fuse carriers handle
[I _{th}] conventional free air thermal current	160 A (40 °C) power dissipation per fuse: 12 W horizontal 160 A (40 °C) power dissipation per fuse: 12 W vertical 152 A (45 °C) power dissipation per fuse: 11.3 W horizontal 152 A (45 °C) power dissipation per fuse: 11.3 W vertical 144 A (50 °C) power dissipation per fuse: 10.6 W horizontal 144 A (50 °C) power dissipation per fuse: 10.6 W vertical 136 A (55 °C) power dissipation per fuse: 9.9 W horizontal 136 A (55 °C) power dissipation per fuse: 9.9 W vertical 128 A (60 °C) power dissipation per fuse: 9.2 W horizontal 128 A (60 °C) power dissipation per fuse: 9.2 W vertical 120 A (65 °C) power dissipation per fuse: 8.5 W horizontal 120 A (65 °C) power dissipation per fuse: 8.5 W vertical 112 A (70 °C) power dissipation per fuse: 7.8 W horizontal 112 A (70 °C) power dissipation per fuse: 7.8 W vertical
[I _{the}] conventional enclosed thermal current	160 A at 40 °C, Power dissipation per fuse: 12 W
Rated duty	Uninterrupted
[U _i] rated insulation voltage	1000 V AC 50/60 Hz 1000 V DC
[U _{imp}] rated impulse withstand voltage	8 kV

[Ue] rated operational voltage	800 V AC 50/60 Hz AC-20 800 V DC DC-20
[Ie] rated operational current	AC-21B: 160 A AC 50/60 Hz 220/240 V AC-21B: 160 A AC 50/60 Hz 380/415 V AC-22B: 160 A AC 50/60 Hz 220/240 V AC-22B: 160 A AC 50/60 Hz 380/415 V AC-21B: 160 A AC 50/60 Hz 440/480 V AC-21B: 160 A AC 50/60 Hz 500 V AC-22B: 160 A AC 50/60 Hz 440/480 V AC-22B: 160 A AC 50/60 Hz 500 V AC-21B: 160 A AC 50/60 Hz 660/690 V DC-21B: 160 A DC 220 V 3 poles in series DC-21B: 125 A DC 440 V 3 poles in series DC-22B: 160 A DC 220 V 3 poles in series
[Im] rated making and breaking capacity	Icn 80000 A at 415 V Icn 80000 A at 500 V Icn 80000 A at 690 V Icm 5000 A at 415 V Icm 5000 A at 500 V Icm 5000 A at 690 V In 160 A at 415 V In 160 A at 500 V In 160 A at 690 V
Suitability for isolation	Yes
Visible break	Yes
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 AC-22B: 200 cycles 500 V AC 50/60 Hz
Electrical shock protection class	Class II front face
Colour code	RAL 7016 handle RAL 7035 chassis
Provision for padlocking	Lead seal
Mounting position	Vertical Horizontal
Mounting mode	Fixed
Mounting support	Busbars
Mounting location	Side by side
Design	Horizontal design
Connections terminals	Hook-on and screw connection
Connections - terminals	Hook-on upstream 160 A 60 mm Screw connection downstream M8 160 A
Tightening torque	6 N.m for terminal

Environment

Height	194 mm
Width	106 mm
Depth	80 mm
Standards	EN/IEC 60947-1 EN/IEC 60947-3 IEC 60269-2
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

Offer Sustainability

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 Pro-active China RoHS declaration (out of China RoHS legal scope)