

# Product data sheet

Specifications



Fuse switch disconnecter, FuPacT  
ISFT100N, 100A, DIN NH000, 3  
poles, backplate mounting,  
2.5mm<sup>2</sup>-50mm<sup>2</sup> cable connectors

LV480750

## Main

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
Poles Description	3P
Number Of Fuse Carriers	3
Fuse Type	DIN
Fuse Size	NH000
Suitability For Isolation	Yes conforming to EN/IEC 60947-3
Visible Break	Yes
Contact Position Indicator	Yes
[Ith] Conventional Free Air Thermal Current	100 A ( 40 °C ) power dissipation per fuse: 9 W
[Ithe] Conventional Enclosed Thermal Current	100 A at 40 °C, Power dissipation per fuse: 9 W
Maximum Power Dissipation Per Pole	11 W
[Ue] 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
[Uij] Rated Insulation Voltage	1000 V AC 50/60 Hz 1000 V DC
[Uimp] Rated Impulse Withstand Voltage	6 kV
[Ie] Rated Operational Current	AC-21B: 100 A at 220/240 V AC 50/60 Hz AC-21B: 100 A at 380/415 V AC 50/60 Hz AC-21B: 100 A at 440/480 V AC 50/60 Hz AC-21B: 100 A at 500 V AC 50/60 Hz AC-21B: 100 A at 660/690 V AC 50/60 Hz AC-22B: 100 A at 220/240 V AC 50/60 Hz AC-22B: 100 A at 380/415 V AC 50/60 Hz AC-22B: 100 A at 440/480 V AC 50/60 Hz AC-22B: 100 A at 500 V AC 50/60 Hz DC-21B: 100 A at 220 V DC (3 poles in series) DC-21B: 100 A at 440 V DC (3 poles in series) DC-22B: 100 A at 220 V DC (3 poles in series) DC-22B: 100 A at 440 V DC (3 poles in series)

## Complementary

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Iq] Breaking Capacity With Fuses (Ka Rms)	80 kA at 415 V (AC) 80 kA at 500 V (AC) 25 kA at 690 V (AC)
[Icw] Rated Short-Time Withstand Current	3.6 kA for 1 s
[Icm] Rated Short-Circuit Making Capacity	5.2 kA at 690 V
Rated Duty	Uninterrupted
Control Type	Fuse carriers handle
Provision For Padlocking	Lead seal
Mounting Position	Vertical Horizontal
Mounting Support	DIN rail, with specific accessories Mounting plate Busbars
Mounting Location	Side by side
Contact Operation	Single-break
Mechanical Durability	2000 cycles
Electrical Durability	AC-21B: 300 cycles 690 V AC 50/60 Hz AC-22B: 300 cycles 500 V AC 50/60 Hz AC-23B: 300 cycles 415 V AC 50/60 Hz
Connections - Terminals	Screw clamp terminals downstream 100 A 2.5...50 mm² Screw clamp terminals upstream 100 A 2.5...50 mm²
Tightening Torque	4.5 N.m for terminal
Width	53 mm
Height	216 mm
Depth	80 mm
Net Weight	0.54 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	7.0 cm
Package 1 Width	14.5 cm
Package 1 Length	24.0 cm

Package 1 Weight	600.0 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	12
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	7.687 kg

## Contractual warranty

Warranty	18 months
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# Sustainability

**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

## Well-being performance

<div><div>✓</div><div>Reach Free Of Svhc</div></div>	
<div><div>✓</div><div>Toxic Heavy Metal Free</div></div>	
<div><div>✓</div><div>Mercury Free</div></div>	
<div><div>✓</div><div>Rohs Exemption Information</div></div>	<div>Yes</div>
<div>Reach Regulation</div>	<div><a href="#">REACH Declaration</a></div>
<div>Eu Rohs Directive</div>	<div>Compliant</div> <div><a href="#">EU RoHS Declaration</a></div>
<div>China Rohs Regulation</div>	<div><a href="#">China RoHS declaration</a></div> <div>Pro-active China RoHS declaration (out of China RoHS legal scope)</div>
<div>Weee</div>	<div>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins</div>