

# Product datasheet

Specifications



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

LV480750

EAN Code: 3606480070624

## 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
[I <sub>th</sub> ] conventional free air thermal current	100 A ( 40 °C ) power dissipation per fuse: 9 W
[I <sub>the</sub> ] conventional enclosed thermal current	100 A at 40 °C, Power dissipation per fuse: 9 W
Maximum power dissipation per pole	11 W
[U <sub>e</sub> ] 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 <sub>i</sub> ] rated insulation voltage	1000 V AC 50/60 Hz 1000 V DC
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV
[I <sub>e</sub> ] 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

<b>[Iq] Breaking capacity with fuses (kA RMS)</b>	80 kA at 415 V (AC) 80 kA at 500 V (AC) 25 kA at 690 V (AC)
<b>[Icw] rated short-time withstand current</b>	3.6 kA for 1 s
<b>[Icm] Rated short-circuit making capacity</b>	5.2 kA at 690 V
<b>Rated duty</b>	Uninterrupted
<b>Control type</b>	Fuse carriers handle
<b>Provision for padlocking</b>	Lead seal
<b>Mounting position</b>	Vertical Horizontal
<b>Mounting support</b>	Backplate Busbars DIN rail with accessory
<b>Mounting location</b>	Side by side
<b>Contact operation</b>	Single-break
<b>Mechanical durability</b>	2000 cycles
<b>Electrical durability</b>	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
<b>Connections - terminals</b>	Cable connectors downstream 2.5...50 mm <sup>2</sup> Cable connectors upstream 2.5...50 mm <sup>2</sup>
<b>Tightening torque</b>	4.5 N.m for terminal
<b>Width</b>	53 mm
<b>Height</b>	216 mm
<b>Depth</b>	80 mm
<b>Net weight</b>	0.54 kg
<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-3
<b>Product certifications</b>	CE CCC EAC

## Environment

<b>Electrical shock protection class</b>	Class II front face
<b>IP degree of protection</b>	IP3x front face: conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to EN 50102
<b>Pollution degree</b>	3 conforming to IEC 60947
<b>Ambient air temperature for operation</b>	-20...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	7.000 cm
<b>Package 1 Width</b>	14.500 cm
<b>Package 1 Length</b>	24.000 cm

<b>Package 1 Weight</b>	528.100 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	12
<b>Package 2 Height</b>	30.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	6.749 kg

## **Contractual warranty**

<b>Warranty (in months)</b>	18
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## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Use Better



#### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

[EU RoHS Directive](#) **Compliant**

REACH Regulation [REACH Declaration](#)

### Use Longer



#### Lifetime extension

Repair **No**

### Use Again



#### Repack and remanufacture

Take-back **No**

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins