

# Product datasheet

Specifications



Switch disconnecter, ComPact,  
Compact INS125 , 125 A, standard  
version with black rotary handle, 3  
poles

28910

## Main

Range	ComPact
Product name	ComPacT INS
Product or component type	Switch disconnecter
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A: 125 A AC 50/60 Hz 220/240 V AC-22A: 125 A AC 50/60 Hz 380/415 V AC-22A: 125 A AC 50/60 Hz 440/480 V AC-22A: 125 A AC 50/60 Hz 500 V AC-22A: 125 A AC 50/60 Hz 660/690 V AC-23A: 125 A AC 50/60 Hz 220/240 V AC-23A: 125 A AC 50/60 Hz 380/415 V AC-23A: 125 A AC 50/60 Hz 440/480 V AC-23A: 125 A AC 50/60 Hz 500 V AC-23A: 80 A AC 50/60 Hz 660/690 V DC-22A: 125 A DC 125 V 2 poles in series DC-23A: 125 A DC 125 V 2 poles in series
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	125 A at 60 °C
[Icm] rated short-circuit making capacity	154 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 20 kA switch-disconnector alone 690 V AC at 50/60 Hz
[Ue] rated operational voltage	125 V DC 690 V AC 50/60 Hz
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No
Pollution degree	3

## Complementary

Control type	Rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	DIN rail Plate
Upside connection	Front

<b>Downside connection</b>	Front
<b>Maximum power</b>	AC-23: 55 kW at 440 V AC 50/60 Hz AC-23: 37 kW at 220/240 V AC 50/60 Hz AC-23: 55 kW at 380/415 V AC 50/60 Hz AC-23: 75 kW at 500/525 V AC 50/60 Hz AC-23: 75 kW at 660/690 V AC 50/60 Hz
<b>Rated duty</b>	Uninterrupted
<b>Intermittent duty class</b>	Class 120 - 60 %
<b>[I<sub>cw</sub>] rated short-time withstand current</b>	1 kA during 30 s conforming to IEC 60947-3 1.23 kA during 20 s conforming to IEC 60947-3 3.175 kA during 3 s conforming to IEC 60947-3 5.5 kA during 1 s conforming to IEC 60947-3
<b>Mechanical durability</b>	15000 cycles
<b>Electrical durability</b>	AC-22A: 1500 cycles 220/240 V AC 50/60 Hz AC-22A: 1500 cycles 380/415 V AC 50/60 Hz AC-22A: 1500 cycles 440 V AC 50/60 Hz AC-22A: 1500 cycles 500 V AC 50/60 Hz AC-23A: 1500 cycles 220/240 V AC 50/60 Hz AC-23A: 1500 cycles 380/415 V AC 50/60 Hz AC-23A: 1500 cycles 440 V AC 50/60 Hz AC-23A: 1500 cycles 500 V AC 50/60 Hz DC-22A: 1500 cycles 250 V DC 2 poles in series DC-23A: 1500 cycles 250 V DC 2 poles in series AC-22A: 1500 cycles 690 V AC 50/60 Hz AC-23A: 1500 cycles 690 V AC 50/60 Hz
<b>Connection pitch</b>	30 mm
<b>Height</b>	100 mm
<b>Width</b>	135 mm
<b>Depth</b>	62.5 mm
<b>Net weight</b>	0.8 kg

## Environment

<b>Standards</b>	IEC 60947-1 IEC 60947-3
<b>Product certifications</b>	CCC KEMA-KEUR
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to EN 50102
<b>Ambient air temperature for operation</b>	-25...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>	13.400 cm
<b>Package 1 Width</b>	11.400 cm
<b>Package 1 Length</b>	15.500 cm
<b>Package 1 Weight</b>	1.022 kg
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	30.000 cm

Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.628 kg
Unit Type of Package 3	P12
Number of Units in Package 3	80
Package 3 Height	43.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	95.824 kg

## Contractual warranty

Warranty	18 months
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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 >](#)

### Environmental footprint

Total lifecycle Carbon footprint 114

Environmental Disclosure [Product Environmental Profile](#)

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant

REACH Regulation [REACH Declaration](#)

### Use Again

#### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

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

Technical Illustration

Assembly's dimensions

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