Product datasheet

Specifications

Green Premium™

switch disconnector, Compact INS100 , 100 A, standard version with black rotary handle, 4 poles

Local distributor code:

382086904   28909

Main

Range	ComPact
Product Name	ComPacT INS
Product Or Component Type	Switch disconnector
Poles Description	4P
Network Type	DC AC
Network Frequency	50/60 Hz
[Ie] Rated Operational Current	AC-22A: 100 A AC 50/60 Hz 220/240 V AC-22A: 100 A AC 50/60 Hz 380/415 V AC-22A: 100 A AC 50/60 Hz 440/480 V 2 poles in series AC-22A: 100 A AC 50/60 Hz 500 V 2 poles in series AC-22A: 100 A AC 50/60 Hz 660/690 V 4 poles in series AC-23A: 100 A AC 50/60 Hz 220/240 V 4 poles in series AC-23A: 100 A AC 50/60 Hz 380/415 V AC-23A: 100 A AC 50/60 Hz 440/480 V AC-23A: 100 A AC 50/60 Hz 500 V AC-23A: 63 A AC 50/60 Hz 660/690 V DC-22A: 100 A DC 50/60 Hz 125 V 2 poles in series DC-23A: 100 A DC 50/60 Hz 125 V 2 poles in series DC-22A: 100 A DC 50/60 Hz 250 V 4 poles in series DC-23A: 100 A DC 50/60 Hz 250 V 4 poles in series
[Ui] Rated Insulation Voltage	750 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ith] Conventional Free Air Thermal Current	100 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	250 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
Downside Connection	Front
Maximum Power	AC-23: 22 kW at 220/240 V AC 50/60 Hz AC-23: 45 kW at 380/415 V AC 50/60 Hz AC-23: 55 kW at 440 V AC 50/60 Hz AC-23: 55 kW at 500/525 V AC 50/60 Hz AC-23: 55 kW at 660/690 V AC 50/60 Hz
Rated Duty	Uninterrupted
Intermittent Duty Class	Class 120 - 60 %
Enclosure Dimensions For Ithe	260 mm x 160 mm x 55 mm
[Icw] Rated Short-Time Withstand Current	0.01 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
Mechanical Durability	15000 cycles
Electrical Durability	AC-22A: 1500 cycles 220/240 V AC 50/60 Hz AC-22A: 1500 cycles 380/415 V AC 50/60 Hz 4 poles in series 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 50/60 Hz 4 poles in series DC-23A: 1500 cycles 250 V DC 50/60 Hz 4 poles in series AC-22A: 1500 cycles 690 V AC 50/60 Hz AC-23A: 1500 cycles 690 V AC 50/60 Hz 4 poles in series
Connection Pitch	30 mm
Height	100 mm
Width	135 mm
Depth	62.5 mm
Net Weight	0.9 kg

Environment

Standards	IEC 60947-1 IEC 60947-3
Product Certifications	KEMA-KEUR CCC
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to EN 50102
Ambient Air Temperature For Operation	-25…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	13.500 cm
Package 1 Width	11.800 cm
Package 1 Length	15.500 cm
Package 1 Weight	1.122 kg
Unit Type Of Package 2	S03

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Number Of Units In Package 2	10
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	11.626 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	106.000 kg

Contractual warranty

Warranty	18 months

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_2 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 >

Transparency   RoHS/REACh

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Compliant

EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

Environmental Disclosure   Product Environmental Profile

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

Circularity Profile   End of Life Information