Product datasheet

Specifications



switch-disconnector Compact INS40 - 4 poles - 40 A

28901

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: 40 A AC 50/60 Hz 220/240 V AC-22A: 40 A AC 50/60 Hz 380/415 V AC-22A: 40 A AC 50/60 Hz 440/480 V AC-22A: 40 A AC 50/60 Hz 500 V AC-23A: 32 A AC 50/60 Hz 500 V AC-23A: 40 A AC 50/60 Hz 220/240 V AC-23A: 40 A AC 50/60 Hz 380/415 V AC-23A: 40 A AC 50/60 Hz 440/480 V DC-22A: 40 A DC 125 V 2 poles in series DC-23A: 40 A DC 125 V 2 poles in series DC-22A: 40 A DC 250 V 4 poles in series DC-23A: 40 A DC 250 V 4 poles in series
[Ui] rated insulation voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	40 A at 60 °C
[Icm] rated short-circuit making capacity	15 kA switch-disconnector alone 500 V AC at 50/60 Hz 75 kA with upstream protection circuit breaker 500 V AC at 50/60 Hz
[Ue] rated operational voltage	500 V AC 50/60 Hz 250 V DC
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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Cable cross section	1.5…50 mm²
Maximum power	AC-23: 11 kW at 220/240 V AC 50/60 Hz AC-23: 18.5 kW at 500/525 V AC 50/60 Hz AC-23: 20 kW at 380/415 V AC 50/60 Hz AC-23: 22 kW at 440 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] rated short-time withstand current	0.67 kA during 20 s conforming to IEC 60947-3 1.73 kA during 3 s conforming to IEC 60947-3 3 kA during 1 s conforming to IEC 60947-3 0.55 kA during 30 s conforming to IEC 60947-3
Mechanical durability	20000 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 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 4 poles in series DC-23A: 1500 cycles 250 V DC 4 poles in series
Connection pitch	18 mm
Height	85 mm
Width	90 mm
Depth	62.5 mm
Net weight	0.6 kg

Environment

Standards	IEC 60947-3 IEC 60947-1
Product certifications	CCC KEMA-KEUR
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	9.4 cm
Package 1 Width	9.8 cm
Package 1 Length	9.4 cm
Package 1 Weight	652 g
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	30 cm
Package 2 Width	30 cm

Package 2 Length	40 cm
Package 2 Weight	12.224 kg
Unit Type of Package 3	P12
Number of Units in Package 3	144
Package 3 Height	50 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	110.272 kg

Contractual warranty

Warranty (in months)	18

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	**28 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**4 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**23 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**1 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No, we have minimized the use of plastic in the packaging in compliance with regulations and considering quality and safety standards**
EU RoHS Directive	Compliant
REACh Regulation	Free of Substances of Very High Concern above the threshold

Use Again

Repack and remanufacture

Recyclability potential, in %	**89**
End of life manual availability	End of Life Information
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**