Product datasheet

Specifications



switch disconnector, Compact INS1000 , 1000 A, standard version with black rotary handle, 3 poles

31332

Main

Range	ComPact
Product name	ComPacT INS
Product or component type	Switch disconnector
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-21A: 1000 A AC 50/60 Hz 220/240 V AC-21A: 1000 A AC 50/60 Hz 380/415 V AC-21A: 1000 A AC 50/60 Hz 440/480 V AC-21A: 1000 A AC 50/60 Hz 480 V NEMA AC-21A: 1000 A AC 50/60 Hz 500/525 V AC-21A: 1000 A AC 50/60 Hz 660/690 V AC-22A: 1000 A AC 50/60 Hz 220/240 V AC-22A: 1000 A AC 50/60 Hz 380/415 V AC-22A: 1000 A AC 50/60 Hz 440/480 V AC-22A: 1000 A AC 50/60 Hz 480 V NEMA AC-22A: 1000 A AC 50/60 Hz 500/525 V AC-22A: 1000 A AC 50/60 Hz 660/690 V AC-23A: 1000 A AC 50/60 Hz 220/240 V AC-23A: 1000 A AC 50/60 Hz 380/415 V AC-23A: 1000 A AC 50/60 Hz 440/480 V AC-23A: 1000 A AC 50/60 Hz 480 V NEMA AC-23A: 1000 A AC 50/60 Hz 500/525 V AC-23A: 1000 A AC 50/60 Hz 660/690 V DC-21A: 1000 A DC 125 V 2 poles in series DC-22A: 1000 A DC 125 V 2 poles in series DC-23A: 1000 A DC 125 V 2 poles in series
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
[Ith] conventional free air thermal current	1000 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 75 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	Direct front rotary handle
Handle colour	Black

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

Mounting mode	Fixed
Mounting support	Rail Plate
Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 315 kW at 220/240 V AC 50/60 Hz AC-23: 560 kW at 380/400 V AC 50/60 Hz AC-23: 630 kW at 415 V AC 50/60 Hz AC-23: 710 kW at 500/525 V AC 50/60 Hz AC-23: 900 kW at 660/690 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] rated short-time withstand current	10 kA during 20 s conforming to IEC 60947-3 20 kA during 3 s conforming to IEC 60947-3 35 kA during 1 s conforming to IEC 60947-3 42 kA during 0.8 s conforming to IEC 60947-3 50 kA during 0.5 s conforming to IEC 60947-3 8 kA during 30 s conforming to IEC 60947-3
Mechanical durability	3000 cycles
Electrical durability	AC-21A: 500 cycles 220/240 V AC 50/60 Hz AC-21A: 500 cycles 380/415 V AC 50/60 Hz AC-21A: 500 cycles 440/480 V AC 50/60 Hz AC-21A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21A: 500 cycles 500/525 V AC 50/60 Hz AC-21A: 500 cycles 660/690 V AC 50/60 Hz AC-22A: 500 cycles 220/240 V AC 50/60 Hz AC-22A: 500 cycles 380/415 V AC 50/60 Hz AC-22A: 500 cycles 440/480 V AC 50/60 Hz AC-22A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22A: 500 cycles 500/525 V AC 50/60 Hz AC-22A: 500 cycles 660/690 V AC 50/60 Hz AC-23A: 500 cycles 220/240 V AC 50/60 Hz AC-23A: 500 cycles 380/415 V AC 50/60 Hz AC-23A: 500 cycles 440/480 V AC 50/60 Hz AC-23A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23A: 500 cycles 500/525 V AC 50/60 Hz AC-23A: 500 cycles 660/690 V AC 50/60 Hz DC-21A: 500 cycles 125 V DC 2 poles in series DC-22A: 500 cycles 125 V DC 2 poles in series DC-23A: 500 cycles 125 V DC 2 poles in series
Connection pitch	70 mm
Height	300 mm
Width	340 mm
Depth	146.5 mm
Net weight	14 kg

Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	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	30.000 cm
Package 1 Width	40.000 cm
Package 1 Length	60.000 cm
Package 1 Weight	16.134 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	**886 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**92 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**28 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**5 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**734 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**27 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**
SCIP Number	**Ded05d05-4f5f-4bf4-9c36-fc766c616c8d**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**95**
End of life manual availability	**No need of specific recycling operations**
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**