Product datasheet

Specifications



switch disconnector, Compact INS800 , 800 A, standard version with black rotary handle, 4 poles

31331

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-21A: 800 A AC 50/60 Hz 220/240 V AC-21A: 800 A AC 50/60 Hz 380/415 V AC-21A: 800 A AC 50/60 Hz 440/480 V AC-21A: 800 A AC 50/60 Hz 480 V NEMA AC-21A: 800 A AC 50/60 Hz 500/525 V AC-21A: 800 A AC 50/60 Hz 660/690 V AC-22A: 800 A AC 50/60 Hz 220/240 V AC-22A: 800 A AC 50/60 Hz 380/415 V AC-22A: 800 A AC 50/60 Hz 440/480 V AC-22A: 800 A AC 50/60 Hz 480 V NEMA AC-22A: 800 A AC 50/60 Hz 500/525 V AC-22A: 800 A AC 50/60 Hz 660/690 V AC-23A: 800 A AC 50/60 Hz 220/240 V AC-23A: 800 A AC 50/60 Hz 380/415 V AC-23A: 800 A AC 50/60 Hz 440/480 V AC-23A: 800 A AC 50/60 Hz 480 V NEMA AC-23A: 800 A AC 50/60 Hz 500/525 V AC-23A: 800 A AC 50/60 Hz 660/690 V DC-21A: 800 A DC 125 V 2 poles in series DC-22A: 800 A DC 125 V 2 poles in series DC-23A: 800 A DC 125 V 2 poles in series DC-21A: 800 A DC 250 V 4 poles in series DC-22A: 800 A DC 250 V 4 poles in series DC-23A: 800 A DC 250 V 4 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	800 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	690 V AC 50/60 Hz 250 V DC
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No
Pollution degree	3

Complementary

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

Control type	Direct front rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	Rail Plate
Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 250 kW at 220/240 V AC 50/60 Hz AC-23: 400 kW at 380/400 V AC 50/60 Hz AC-23: 500 kW at 415 V AC 50/60 Hz AC-23: 560 kW at 500/525 V AC 50/60 Hz AC-23: 710 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 DC-21A: 500 cycles 250 V DC 4 poles in series DC-22A: 500 cycles 250 V DC 4 poles in series DC-23A: 500 cycles 250 V DC 4 poles in series
Connection pitch	70 mm
Height	300 mm
Width	410 mm
Depth	146.5 mm
Net weight	18 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	21.000 cm
Package 1 Width	33.500 cm
Package 1 Length	43.000 cm
Package 1 Weight	18.700 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

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 Again

Repack and remanufacture

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