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

Product datasheet

Specification





switch-disconnector Compact INS1000 - 1000 A - 4 poles

31333

Main

Main	
Range	ComPact
Product Name	ComPacT INS
Product Or Component Type	Switch disconnector
Poles Description	4P
Network Type	AC
	DC
Network Frequency	50/60 Hz
[le] 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
	DC-21A: 1000 A DC 250 V 4 poles in series
	DC-22A: 1000 A DC 250 V 4 poles in series
	DC-23A: 1000 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	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	690 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	Direct front rotary handle
Handle Colour	Black
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-21A: 500 cycles 660/690 V AC 50/60 Hz AC-22A: 500 cycles 380/415 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 440/480 V AC 50/60 Hz AC-22A: 500 cycles 480 V AC 50/60 Hz AC-22A: 500 cycles 660/690 V AC 50/60 Hz AC-22A: 500 cycles 660/690 V AC 50/60 Hz AC-23A: 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 440/480 V AC 50/60 Hz AC-23A: 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23A: 500 cycles 480 V AC 50/60 Hz AC-23A: 500 cycles 480 V AC 50/60 Hz AC-23A: 500 cycles 480 V AC 50/60 Hz AC-23A: 500 cycles 660/690 V AC 50/60 Hz AC-23A: 500 cycles 125 V DC 2 poles in series 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 250 V DC 4 poles in series DC-22A: 500 cycles 250 V DC 4 poles in series DC-22A: 500 cycles 250 V DC 4 poles in series
Connection Pitch	70 mm
Height	300 mm
Width	410 mm
Depth	146.5 mm
Environment Standards	IEC 60947-3 IEC 60947-1
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	-2570 °C
Ambient Air Temperature For Storage	-5085 °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	18.600 kg

Contractual warranty

Warranty 12 months

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
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	No need of specific recycling operations