

31333

switch-disconnector Compact INS1000 - 1000 A - 4 poles



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
[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 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 %
[I _{cw}] 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 60947-3 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	-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 Weight	18.6 kg
Package 1 Height	21 cm
Package 1 width	33.5 cm
Package 1 Length	43 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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