

Product Datasheet

Characteristic

31108

switch disconnecter, Compact INS320,
320A, standard version with black
rotary handle, 3 poles



Main

Range	ComPact
product or component type	Switch disconnecter
Product name	ComPacT INS
poles description	3P
Network type	DC AC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A: 320 A AC 50/60 Hz 220/240 V AC-22A: 320 A AC 50/60 Hz 380/415 V AC-22A: 320 A AC 50/60 Hz 440/480 V AC-22A: 320 A AC 50/60 Hz 480 V NEMA AC-22A: 320 A AC 50/60 Hz 500/525 V AC-22A: 320 A AC 50/60 Hz 660/690 V AC-23A: 320 A AC 50/60 Hz 220/240 V AC-23A: 320 A AC 50/60 Hz 380/415 V AC-23A: 320 A AC 50/60 Hz 440/480 V AC-23A: 320 A AC 50/60 Hz 480 V NEMA AC-23A: 320 A AC 50/60 Hz 500/525 V AC-23A: 320 A AC 50/60 Hz 660/690 V DC-22A: 320 A DC 125 V 2 poles in series DC-23A: 320 A DC 125 V 2 poles in series
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV 8 kV conforming to IEC 60947-3
[Ith] conventional free air thermal current	320 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 50 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
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handle colour	Black
mounting mode	Fixed
mounting support	Plate Rail
Upside connection	Front
downside connection	Front
Maximum power	AC-23: 160 kW at 380/415 V AC 50/60 Hz AC-23: 185 kW at 440 V AC 50/60 Hz AC-23: 185 kW at 480 V AC 50/60 Hz (NEMA) AC-23: 220 kW at 500/525 V AC 50/60 Hz AC-23: 250 kW at 660/690 V AC 50/60 Hz AC-23: 90 kW at 220/240 V AC 50/60 Hz AC-23: 90 kW at 230 V AC 50/60 Hz (NEMA)
Rated duty	Uninterrupted
[I _{cw}] rated short-time withstand current	11.5 kA during 3 s conforming to IEC 60947-3 20 kA during 1 s conforming to IEC 60947-3 4 kA during 30 s conforming to IEC 60947-3 4.9 kA during 20 s conforming to IEC 60947-3
Mechanical durability	10000 cycles
Electrical durability	AC-22A: 1500 cycles 440 V AC 50/60 Hz AC-22A: 1500 cycles 500 V AC 50/60 Hz AC-22A: 1500 cycles 690 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 AC-23A: 1500 cycles 690 V AC 50/60 Hz DC-23A: 1000 cycles 125 V DC 2 poles in series
Connection pitch	45 mm
Height	205 mm
Width	185 mm
Depth	130 mm
net weight	4.6 kg

Environment

Standards	IEC 60947-1 IEC 60947-3
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	18.500 cm
Package 1 Width	19.000 cm
Package 1 Length	22.500 cm
Package 1 Weight	5.012 kg
Unit Type of Package 2	S04
Number of Units in Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	20.718 kg
Unit Type of Package 3	P12
Number of Units in Package 3	16
Package 3 Height	50.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	91.936 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP1304025
Circularity Profile	ENVEOLI1304025
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins