

Product data sheet

Specifications



switch disconnecter, Compact INV320, visible break, 320 A, standard version with black rotary handle, 3 poles

31168

Main

Range	ComPact
Product name	Compact INV
Product or component type	Switch disconnecter
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
Handle colour	Black
[Ie] rated operational current	AC-21A: 320 A AC 50/60 Hz 220/240 V AC-21A: 320 A AC 50/60 Hz 380/415 V AC-21A: 320 A AC 50/60 Hz 440/480 V AC-21A: 320 A AC 50/60 Hz 480 V NEMA AC-21A: 320 A AC 50/60 Hz 500/525 V AC-21A: 320 A AC 50/60 Hz 660/690 V 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-21A: 320 A DC 125 V 2 poles in series 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
[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	250 V DC 690 V AC 50/60 Hz
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	Yes
Pollution degree	3

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

Complementary

Control type	Rotary handle
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
[Icw] 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-21A: 1000 cycles 440 V AC 50/60 Hz AC-21A: 1000 cycles 500 V AC 50/60 Hz AC-21A: 1000 cycles 690 V AC 50/60 Hz AC-22A: 1000 cycles 440 V AC 50/60 Hz AC-22A: 1000 cycles 500 V AC 50/60 Hz AC-22A: 1000 cycles 690 V AC 50/60 Hz AC-23A: 1000 cycles 440 V AC 50/60 Hz AC-23A: 1000 cycles 500 V AC 50/60 Hz AC-23A: 1000 cycles 690 V AC 50/60 Hz DC-21A: 1000 cycles 125 V DC DC-22A: 1000 cycles 125 V DC DC-23A: 1000 cycles 125 V DC
Connection pitch	45 mm
Height	205 mm
Width	185 mm
Depth	130 mm
Net weight	4.6 kg

Environment

Standards	IEC 60947-3 IEC 60947-1
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	18.5 cm
Package 1 Width	19.5 cm
Package 1 Length	22.5 cm

Package 1 Weight 4.989 kg

Offer Sustainability

Sustainable offer status Green Premium product

REACH Regulation [REACH Declaration](#)

EU RoHS Directive Compliant
[EU RoHS Declaration](#)

Mercury free Yes

China RoHS Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

RoHS exemption information Yes

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

Recommended replacement(s)