

31187

switch disconnecter, Compact INV250, visible break, 250 A, with red rotary handle and yellow front, 4 poles



Main

Range	Compact
Product name	Compact INV
Poles description	4P
Network type	DC AC
Network frequency	50/60 Hz
Handle colour	Red
[Ie] rated operational current	AC-23A: 200 A AC 50/60 Hz 500/525 V AC-23A: 200 A AC 50/60 Hz 660/690 V DC-23B: 200 A DC 125 V 2 poles in series DC-23B: 200 A DC 250 V 4 poles in series AC-21A: 250 A AC 50/60 Hz 220/240 V AC-21A: 250 A AC 50/60 Hz 380/415 V AC-21A: 250 A AC 50/60 Hz 440/480 V AC-21A: 250 A AC 50/60 Hz 480 V NEMA AC-21A: 250 A AC 50/60 Hz 500/525 V AC-21A: 250 A AC 50/60 Hz 660/690 V AC-22A: 250 A AC 50/60 Hz 220/240 V AC-22A: 250 A AC 50/60 Hz 380/415 V AC-22A: 250 A AC 50/60 Hz 440/480 V AC-22A: 250 A AC 50/60 Hz 480 V NEMA AC-22A: 250 A AC 50/60 Hz 500/525 V AC-22A: 250 A AC 50/60 Hz 660/690 V AC-23A: 250 A AC 50/60 Hz 220/240 V AC-23A: 250 A AC 50/60 Hz 380/415 V AC-23A: 250 A AC 50/60 Hz 440/480 V AC-23A: 250 A AC 50/60 Hz 480 V NEMA DC-21A: 250 A DC 125 V 2 poles in series DC-22A: 250 A DC 125 V 2 poles in series DC-21A: 250 A DC 250 V 4 poles in series DC-22A: 250 A DC 250 V 4 poles in series
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV

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

[I _{th}] conventional free air thermal current	250 A at 60 °C
[I _{cm}] rated short-circuit making capacity	30 kA switch-disconnector alone 690 V AC at 50/60 Hz 330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz
[U _e] rated operational voltage	690 V AC 50/60 Hz 250 V DC
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	Yes
Pollution degree	3

Complementary

Control type	Rotary handle
Mounting mode	Fixed
Mounting support	Rail Plate
Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 132 kW at 500/525 V AC 50/60 Hz AC-23: 160 kW at 660/690 V AC 50/60 Hz AC-23: 132 kW at 380/415 V AC 50/60 Hz AC-23: 150 kW at 440 V AC 50/60 Hz AC-23: 150 kW at 480 V AC 50/60 Hz (NEMA) AC-23: 75 kW at 220/240 V AC 50/60 Hz AC-23: 75 kW at 230 V AC 50/60 Hz (NEMA)
Rated duty	Uninterrupted
[I _{cw}] rated short-time withstand current	1.8 kA during 30 s conforming to IEC 60947-3 2.2 kA during 20 s conforming to IEC 60947-3 4.9 kA during 3 s conforming to IEC 60947-3 8.5 kA during 1 s conforming to IEC 60947-3
Mechanical durability	15000 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-22A: 1500 cycles 250 V DC DC-23A: 1500 cycles 250 V DC
Connection pitch	45 mm
Height	136 mm
Width	140 mm
Depth	96 mm
Product weight	2.2 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

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 Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
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
----------	-----------