Product datasheet

Specifications



switch disconnector, Compact INS250-200 , 160 A, standard version with black rotary handle, 3 poles

31102

Main

Range	ComPact
Product or component type	Switch disconnector
Product name	Compact INS
Poles description	3P
Network type	DC AC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A: 200 A AC 50/60 Hz 220/240 V AC-22A: 200 A AC 50/60 Hz 380/415 V AC-22A: 200 A AC 50/60 Hz 440/480 V AC-22A: 200 A AC 50/60 Hz 480 V NEMA AC-22A: 200 A AC 50/60 Hz 500/525 V AC-22A: 200 A AC 50/60 Hz 660/690 V AC-23A: 200 A AC 50/60 Hz 220/240 V AC-23A: 200 A AC 50/60 Hz 380/415 V AC-23A: 200 A AC 50/60 Hz 440/480 V AC-23A: 200 A AC 50/60 Hz 480 V NEMA AC-23A: 200 A AC 50/60 Hz 500/525 V AC-23A: 200 A AC 50/60 Hz 660/690 V DC-22A: 200 A DC 125 V 2 poles in series DC-23A: 200 A DC 125 V 2 poles in series
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Ith] conventional free air thermal current	200 A at 60 °C
[Icm] 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
[Ue] rated operational voltage	250 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
Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate Rail

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

Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 110 kW at 440 V AC 50/60 Hz AC-23: 110 kW at 480 V AC 50/60 Hz (NEMA) 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: 55 kW at 220/240 V AC 50/60 Hz AC-23: 55 kW at 230 V AC 50/60 Hz (NEMA) AC-23: 90 kW at 380/415 V AC 50/60 Hz
Rated duty	Uninterrupted
[Icw] 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 125 V DC 2 poles in series DC-23A: 1500 cycles 125 V DC 2 poles in series
Connection pitch	35 mm
Height	136 mm
Width	140 mm
Depth	96 mm
Net weight	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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	2.242 kg
Package 1 Height	13.908 cm
Package 1 width	16.109 cm
Package 1 Length	16.723 cm
Unit Type of Package 2	S04
Number of Units in Package 2	9
Package 2 Weight	20.8 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 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 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

Contractual warranty

Warranty	18 months