

Product data sheet

Specifications



complete manual source
changeover assembly, FXM100,
Compact INS250-100 switch
disconnectors, 100 A, 4 poles

31141

Main

Range of product	INS250
Range	ComPact
Device short name	INS250
Product or component type	Changeover switch
Device application	Change source of supply
Range compatibility	Compact INS INS250 switch disconnectors
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
Suitability for isolation	Yes
Contact position indicator	Yes
[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

Complementary

Transfer switch class	PC
Number of contact position	3
Control type	Direct front rotary handle
Mounting support	Rail Plate
Locking options description	Padlocking in OFF position
[Ie] rated operational current	AC-22A: 100 A AC 50/60 Hz 220/240 V AC-22A: 100 A AC 50/60 Hz 380/415 V AC-22A: 100 A AC 50/60 Hz 440/480 V AC-22A: 100 A AC 50/60 Hz 480 V NEMA AC-22A: 100 A AC 50/60 Hz 500/525 V AC-22A: 100 A AC 50/60 Hz 660/690 V AC-23A: 100 A AC 50/60 Hz 220/240 V AC-23A: 100 A AC 50/60 Hz 380/415 V AC-23A: 100 A AC 50/60 Hz 440/480 V AC-23A: 100 A AC 50/60 Hz 480 V NEMA AC-23A: 100 A AC 50/60 Hz 500/525 V AC-23A: 100 A AC 50/60 Hz 660/690 V

DC-22A: 100 A DC 125 V 2 poles in series
 DC-23A: 100 A DC 125 V 2 poles in series
 DC-22A: 100 A DC 250 V 4 poles in series
 DC-23A: 100 A DC 250 V 4 poles in series

[I_{th}] conventional free air thermal current	100 A at 60 °C
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[U_i] rated insulation voltage	750 V AC 50/60 Hz
[U_{imp}] rated impulse withstand voltage	8 kV
[U_e] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3 750 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC conforming to IEC 60947-3 250 V DC conforming to IEC 60947-3
Mechanical interlocking	With mechanical interlocking
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 DC-22A: 1500 cycles 250 V DC 4 poles in series DC-23A: 1500 cycles 250 V DC 4 poles in series
Connection pitch	45 mm
[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
Height	136 mm
Width	295 mm
Depth	131 mm
Net weight	6.4 kg

Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	CCC KEMA-KEUR
Electrical shock protection class	Class II
IP degree of protection	IP40 conforming to IEC 60947-3
Pollution degree	3
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	7 kg
Package 1 Height	17 cm
Package 1 width	14.7 cm

Package 1 Length	40.1 cm
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Weight	14.25 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
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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