



### 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 - Compact INS INS250 switch disconnecter
Poles description	3P
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 690 V AC 50/60 Hz switch-disconnector alone 330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker

### 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	DC-22A : 160 A DC 125 V 2 poles in series AC-22A : 160 A AC 50/60 Hz 440/480 V AC-22A : 160 A AC 50/60 Hz 660/690 V AC-22A : 160 A AC 50/60 Hz 220/240 V AC-22A : 160 A AC 50/60 Hz 380/415 V AC-23A : 160 A AC 50/60 Hz 440/480 V AC-23A : 160 A AC 50/60 Hz 380/415 V AC-22A : 160 A AC 50/60 Hz 500/525 V AC-23A : 160 A AC 50/60 Hz 500/525 V AC-23A : 160 A AC 50/60 Hz 220/240 V

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

AC-23A : 160 A AC 50/60 Hz 480 V NEMA  
 AC-23A : 160 A AC 50/60 Hz 660/690 V  
 AC-22A : 160 A AC 50/60 Hz 480 V NEMA  
 DC-23A : 160 A DC 125 V 2 poles in series

[I <sub>th</sub> ] conventional free air thermal current	160 A ( 60 °C )
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[U <sub>i</sub> ] rated insulation voltage	750 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV
[U <sub>e</sub> ] rated operational voltage	125 V DC conforming to IEC 60947-3 690 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
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
Connection pitch	45 mm
[I <sub>cw</sub> ] rated short-time withstand current	1.8 kA ( 30 s ) conforming to IEC 60947-3 2.2 kA ( 20 s ) conforming to IEC 60947-3 4.9 kA ( 3 s ) conforming to IEC 60947-3 8.5 kA ( 1 s ) conforming to IEC 60947-3
Height	136 mm
Width	295 mm
Depth	131 mm
Product weight	6.4 kg
Compatibility code	ONE_PIECE_CHANGEOVER_INS250

## 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

## Contractual warranty

Warranty period	18 months
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