

# 31113

## switch-disconnector Compact INS500 - 500 A - 4 poles



### Main

Range	Compact
Product or component type	Switch disconnector
Product name	Compact INS
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A : 500 A AC 50/60 Hz 220/240 V DC-22A : 500 A DC 125 V 2 poles in series AC-22A : 500 A AC 50/60 Hz 380/415 V AC-23A : 500 A AC 50/60 Hz 220/240 V AC-23A : 500 A AC 50/60 Hz 660/690 V AC-22A : 500 A AC 50/60 Hz 480 V NEMA AC-23A : 500 A AC 50/60 Hz 380/415 V DC-23A : 500 A DC 125 V 2 poles in series AC-22A : 500 A AC 50/60 Hz 660/690 V AC-22A : 500 A AC 50/60 Hz 440/480 V AC-23A : 500 A AC 50/60 Hz 440/480 V AC-22A : 500 A AC 50/60 Hz 500/525 V AC-23A : 500 A AC 50/60 Hz 500/525 V DC-22A : 500 A DC 250 V 4 poles in series AC-23A : 500 A AC 50/60 Hz 480 V NEMA DC-23A : 500 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 8 kV conforming to IEC 60947-3
[Ith] conventional free air thermal current	500 A ( 60 °C )
[Icm] rated short-circuit making capacity	330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker 50 kA 690 V AC 50/60 Hz switch-disconnector alone
[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
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 355 kW 500/525 V AC 50/60 Hz AC-23 : 250 kW 440 V AC 50/60 Hz AC-23 : 132 kW 220/240 V AC 50/60 Hz AC-23 : 150 kW 230 V NEMA AC 50/60 Hz AC-23 : 250 kW 380/415 V AC 50/60 Hz AC-23 : 250 kW 480 V NEMA AC 50/60 Hz AC-23 : 500 kW 660/690 V AC 50/60 Hz
Rated duty	Uninterrupted
[Icw] rated short-time withstand current	11.5 kA ( 3 s ) conforming to IEC 60947-3

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20 kA ( 1 s ) conforming to IEC 60947-3  
4 kA ( 30 s ) conforming to IEC 60947-3  
4.9 kA ( 20 s ) conforming to IEC 60947-3

Mechanical durability	10000 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-23A : 1000 cycles 250 V DC
Connection pitch	45 mm
Height	205 mm
Width	185 mm
Depth	130 mm
Product weight	4.9 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