



Main

Device short name	Interpact INS500
Switch-disconnector name	Interpact INS500
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[I _e] rated operational current	AC-22A: 500 A AC 50/60 Hz 500/525 V AC-22A: 500 A AC 50/60 Hz 660/690 V AC-22A: 500 A AC 50/60 Hz 480 V NEMA AC-22A: 500 A AC 50/60 Hz 220/240 V AC-22A: 500 A AC 50/60 Hz 380/415 V AC-22A: 500 A AC 50/60 Hz 440/480 V AC-23A: 500 A AC 50/60 Hz 500/525 V AC-23A: 500 A AC 50/60 Hz 660/690 V AC-23A: 500 A AC 50/60 Hz 480 V NEMA AC-23A: 500 A AC 50/60 Hz 220/240 V AC-23A: 500 A AC 50/60 Hz 380/415 V AC-23A: 500 A AC 50/60 Hz 440/480 V DC-22A: 500 A DC 125 V 2 poles in series DC-23A: 500 A DC 125 V 2 poles in series
[U _i] rated insulation voltage	750 V AC 50/60 Hz
[U _{imp}] rated impulse withstand voltage	8 kV 8 kV conforming to IEC 60947-3
[I _{th}] conventional free air thermal current	500 A (60 °C)
[I _{cm}] rated short-circuit making capacity	50 kA 690 V AC 50/60 Hz switch-disconnector alone 330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker
[U _e] rated operational voltage	125 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
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 132 kW 220/240 V AC 50/60 Hz AC-23: 250 kW 380/415 V AC 50/60 Hz AC-23: 250 kW 440 V AC 50/60 Hz AC-23: 355 kW 500/525 V AC 50/60 Hz AC-23: 500 kW 660/690 V AC 50/60 Hz AC-23: 150 kW 230 V NEMA AC 50/60 Hz AC-23: 250 kW 480 V NEMA AC 50/60 Hz
Rated duty	Uninterrupted
[I _{cw}] rated short-time withstand current	4 kA (30 s) conforming to IEC 60947-3 4.9 kA (20 s) conforming to IEC 60947-3 11.5 kA (3 s) conforming to IEC 60947-3 20 kA (1 s) conforming to IEC 60947-3

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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 125 V DC
Connection pitch	45 mm
Height	205 mm
Width	185 mm
Depth	130 mm
Product weight	4.6 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
RoHS EUR conformity date	0826
RoHS EUR status	Compliant