



Main

Range	Compact
Range of product	INS630b...2500
Product name	Compact INS
Device short name	Interpact INS1000
Product or component type	Switch disconnector
Switch-disconnector name	Interpact INS1000
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-23A : 1000 A AC 50/60 Hz 220/240 V AC-23A : 1000 A AC 50/60 Hz 380/415 V AC-23A : 1000 A AC 50/60 Hz 440/480 V AC-23A : 1000 A AC 50/60 Hz 500/525 V AC-23A : 1000 A AC 50/60 Hz 660/690 V AC-21A : 1000 A AC 50/60 Hz 380/415 V AC-22A : 1000 A AC 50/60 Hz 440/480 V AC-23A : 1000 A AC 50/60 Hz 480 V NEMA AC-21A : 1000 A AC 50/60 Hz 480 V NEMA AC-22A : 1000 A AC 50/60 Hz 660/690 V AC-21A : 1000 A AC 50/60 Hz 500/525 V AC-22A : 1000 A AC 50/60 Hz 220/240 V DC-23A : 1000 A DC 125 V 2 poles in series AC-22A : 1000 A AC 50/60 Hz 380/415 V AC-21A : 1000 A AC 50/60 Hz 440/480 V AC-22A : 1000 A AC 50/60 Hz 480 V NEMA AC-22A : 1000 A AC 50/60 Hz 500/525 V DC-21A : 1000 A DC 125 V 2 poles in series AC-21A : 1000 A AC 50/60 Hz 660/690 V AC-21A : 1000 A AC 50/60 Hz 220/240 V DC-22A : 1000 A DC 125 V 2 poles in series
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
[Ith] conventional free air thermal current	1000 A (60 °C)
[Icm] rated short-circuit making capacity	330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker 75 kA 690 V AC 50/60 Hz switch-disconnector alone
[Ue] rated operational voltage	125 V DC 690 V AC 50/60 Hz

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

Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No
Pollution degree	3

Complementary

Control type	Rotary handle
Handle colour	Red
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 630 kW 415 V AC 50/60 Hz AC-23 : 710 kW 500/525 V AC 50/60 Hz AC-23 : 560 kW 380/400 V AC 50/60 Hz AC-23 : 900 kW 660/690 V AC 50/60 Hz AC-23 : 315 kW 220/240 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[I _{cw}] rated short-time withstand current	10 kA (20 s) conforming to IEC 60947-3 20 kA (3 s) conforming to IEC 60947-3 35 kA (1 s) conforming to IEC 60947-3 42 kA (0.8 s) conforming to IEC 60947-3 50 kA (0.5 s) conforming to IEC 60947-3 8 kA (30 s) conforming to IEC 60947-3
Mechanical durability	3000 cycles
Electrical durability	AC-21A : 500 cycles 220/240 V AC 50/60 Hz AC-21A : 500 cycles 380/415 V AC 50/60 Hz AC-21A : 500 cycles 440/480 V AC 50/60 Hz AC-21A : 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21A : 500 cycles 500/525 V AC 50/60 Hz AC-21A : 500 cycles 660/690 V AC 50/60 Hz AC-22A : 500 cycles 220/240 V AC 50/60 Hz AC-22A : 500 cycles 380/415 V AC 50/60 Hz AC-22A : 500 cycles 440/480 V AC 50/60 Hz AC-22A : 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22A : 500 cycles 500/525 V AC 50/60 Hz AC-22A : 500 cycles 660/690 V AC 50/60 Hz AC-23A : 500 cycles 220/240 V AC 50/60 Hz AC-23A : 500 cycles 380/415 V AC 50/60 Hz AC-23A : 500 cycles 440/480 V AC 50/60 Hz AC-23A : 500 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23A : 500 cycles 500/525 V AC 50/60 Hz AC-23A : 500 cycles 660/690 V AC 50/60 Hz DC-21A : 500 cycles 125 V DC 2 poles in series DC-22A : 500 cycles 125 V DC 2 poles in series DC-23A : 500 cycles 125 V DC 2 poles in series
Connection pitch	70 mm
Height	300 mm
Width	340 mm
Depth	146.5 mm
Product weight	14 kg
Compatibility code	INS1000

Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	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

Contractual warranty

Warranty period	18 months
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