



Main

Range	Compact
Range of product	INS630b...2500
Product name	Compact INS
Device short name	Interpact INS630b
Product or component type	Switch disconnector
Switch-disconnector name	Interpact INS630b
Poles description	3P
Network type	DC AC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-23A : 630 A AC 50/60 Hz 220/240 V AC-23A : 630 A AC 50/60 Hz 380/415 V AC-23A : 630 A AC 50/60 Hz 440/480 V AC-23A : 630 A AC 50/60 Hz 500/525 V AC-23A : 630 A AC 50/60 Hz 660/690 V AC-23A : 630 A AC 50/60 Hz 480 V NEMA AC-22A : 630 A AC 50/60 Hz 660/690 V AC-22A : 630 A AC 50/60 Hz 440/480 V AC-22A : 630 A AC 50/60 Hz 220/240 V AC-21A : 630 A AC 50/60 Hz 500/525 V AC-22A : 630 A AC 50/60 Hz 500/525 V AC-21A : 630 A AC 50/60 Hz 380/415 V DC-21A : 630 A DC 125 V 2 poles in series AC-22A : 630 A AC 50/60 Hz 380/415 V DC-22A : 630 A DC 125 V 2 poles in series AC-22A : 630 A AC 50/60 Hz 480 V NEMA DC-23A : 630 A DC 125 V 2 poles in series AC-21A : 630 A AC 50/60 Hz 480 V NEMA AC-21A : 630 A AC 50/60 Hz 220/240 V AC-21A : 630 A AC 50/60 Hz 660/690 V AC-21A : 630 A AC 50/60 Hz 440/480 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
[Ith] conventional free air thermal current	630 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	Direct front rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 250 kW 220/240 V AC 50/60 Hz AC-23 : 710 kW 660/690 V AC 50/60 Hz AC-23 : 400 kW 380/400 V AC 50/60 Hz AC-23 : 560 kW 500/525 V AC 50/60 Hz AC-23 : 500 kW 415 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	5000 cycles
Electrical durability	AC-23A : 1000 cycles 440/480 V AC 50/60 Hz DC-23A : 1000 cycles 125 V DC 2 poles in series AC-21A : 1000 cycles 220/240 V AC 50/60 Hz AC-21A : 1000 cycles 380/415 V AC 50/60 Hz AC-21A : 1000 cycles 440/480 V AC 50/60 Hz AC-21A : 1000 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21A : 1000 cycles 500/525 V AC 50/60 Hz AC-21A : 1000 cycles 660/690 V AC 50/60 Hz AC-22A : 1000 cycles 220/240 V AC 50/60 Hz AC-22A : 1000 cycles 380/415 V AC 50/60 Hz AC-22A : 1000 cycles 440/480 V AC 50/60 Hz AC-22A : 1000 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22A : 1000 cycles 500/525 V AC 50/60 Hz AC-22A : 1000 cycles 660/690 V AC 50/60 Hz AC-23A : 1000 cycles 220/240 V AC 50/60 Hz AC-23A : 1000 cycles 380/415 V AC 50/60 Hz AC-23A : 1000 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23A : 1000 cycles 500/525 V AC 50/60 Hz AC-23A : 1000 cycles 660/690 V AC 50/60 Hz DC-21A : 1000 cycles 125 V DC 2 poles in series DC-22A : 1000 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	INS630b

Environment

Standards	IEC 60947-3 IEC 60947-1
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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