



### Main

Range	Compact
Range of product	INS630b...2500
Product name	Compact INS
Device short name	Interpact INS2500
Product or component type	Switch disconnector
Switch-disconnector name	Interpact INS2500
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22B : 2500 A AC 50/60 Hz 440/480 V AC-21B : 2500 A AC 50/60 Hz 380/415 V AC-21B : 2500 A AC 50/60 Hz 480 V NEMA AC-21B : 2500 A AC 50/60 Hz 500/525 V DC-21B : 2500 A DC 250 V 4 poles in series AC-22B : 2500 A AC 50/60 Hz 660/690 V AC-22B : 2500 A AC 50/60 Hz 220/240 V DC-22B : 2500 A DC 250 V 4 poles in series AC-22B : 2500 A AC 50/60 Hz 380/415 V AC-22B : 2500 A AC 50/60 Hz 480 V NEMA AC-21B : 2500 A AC 50/60 Hz 440/480 V DC-21B : 2500 A DC 125 V 2 poles in series DC-22B : 2500 A DC 125 V 2 poles in series AC-21B : 2500 A AC 50/60 Hz 660/690 V AC-22B : 2500 A AC 50/60 Hz 500/525 V AC-21B : 2500 A AC 50/60 Hz 220/240 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
[Ith] conventional free air thermal current	2500 A ( 60 °C )
[Icm] rated short-circuit making capacity	105 kA 690 V AC 50/60 Hz switch-disconnector alone 105 kA 690 V AC 50/60 Hz with upstream protection circuit breaker
[Ue] rated operational voltage	250 V DC 690 V AC 50/60 Hz
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No

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

Pollution degree	3
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## Complementary

Control type	Direct front rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[I <sub>cw</sub> ] rated short-time withstand current	11 kA ( 30 s ) conforming to IEC 60947-3 13 kA ( 20 s ) conforming to IEC 60947-3 30 kA ( 3 s ) conforming to IEC 60947-3 50 kA ( 0.5 s ) conforming to IEC 60947-3 50 kA ( 0.8 s ) conforming to IEC 60947-3 50 kA ( 1 s ) conforming to IEC 60947-3
Mechanical durability	3000 cycles
Electrical durability	DC-22B : 100 cycles 125 V DC 2 poles in series AC-21B : 100 cycles 220/240 V AC 50/60 Hz AC-21B : 100 cycles 380/415 V AC 50/60 Hz AC-21B : 100 cycles 440/480 V AC 50/60 Hz AC-21B : 100 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21B : 100 cycles 500/525 V AC 50/60 Hz AC-21B : 100 cycles 660/690 V AC 50/60 Hz AC-22B : 100 cycles 220/240 V AC 50/60 Hz AC-22B : 100 cycles 380/415 V AC 50/60 Hz AC-22B : 100 cycles 440/480 V AC 50/60 Hz AC-22B : 100 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22B : 100 cycles 500/525 V AC 50/60 Hz AC-22B : 100 cycles 660/690 V AC 50/60 Hz DC-21B : 100 cycles 125 V DC 2 poles in series DC-21B : 100 cycles 250 V DC 4 poles in series DC-22B : 100 cycles 250 V DC 4 poles in series
Connection pitch	70 mm
Height	440 mm
Width	462.5 mm
Depth	227.5 mm
Product weight	45 kg
Compatibility code	INS2500

## 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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