

31341

switch-disconnector Compact INS2500 - 2500 A - 4 poles



Main

Range	Compact
Product name	INS2500
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-21B: 2500 A AC 50/60 Hz 220/240 V AC-21B: 2500 A AC 50/60 Hz 380/415 V AC-21B: 2500 A AC 50/60 Hz 440/480 V AC-21B: 2500 A AC 50/60 Hz 480 V NEMA AC-21B: 2500 A AC 50/60 Hz 500/525 V AC-21B: 2500 A AC 50/60 Hz 660/690 V AC-22B: 2500 A AC 50/60 Hz 220/240 V AC-22B: 2500 A AC 50/60 Hz 380/415 V AC-22B: 2500 A AC 50/60 Hz 440/480 V AC-22B: 2500 A AC 50/60 Hz 480 V NEMA AC-22B: 2500 A AC 50/60 Hz 500/525 V AC-22B: 2500 A AC 50/60 Hz 660/690 V DC-21B: 2500 A DC 125 V 2 poles in series DC-21B: 2500 A DC 250 V 4 poles in series DC-22B: 2500 A DC 125 V 2 poles in series DC-22B: 2500 A DC 250 V 4 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	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
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
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] 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	AC-21B: 100 cycles 220/240 V AC 50/60 Hz

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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 125 V DC 2 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

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