



Main

Range of product	INS320...630
Range	Compact
Device short name	INS500
Product or component type	Changeover switch
Device application	Change source of supply
Range compatibility	Compact - Compact INS INS500 switch disconnecter
Poles description	4P
Network type	DC AC
Network frequency	50/60 Hz
Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
Suitability for isolation	Yes
Contact position indicator	Yes
[Icm] rated short-circuit making capacity	330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker 50 kA 690 V AC 50/60 Hz switch-disconnector alone

Complementary

Transfer switch class	PC
Number of contact position	3
Control type	Direct front rotary handle
Mounting support	Plate Rail
Locking options description	Padlocking in OFF position
[Ie] rated operational current	AC-22A : 500 A AC 50/60 Hz 220/240 V DC-22A : 500 A DC 125 V 2 poles in series AC-22A : 500 A AC 50/60 Hz 380/415 V AC-23A : 500 A AC 50/60 Hz 220/240 V AC-23A : 500 A AC 50/60 Hz 660/690 V AC-22A : 500 A AC 50/60 Hz 480 V NEMA AC-23A : 500 A AC 50/60 Hz 380/415 V DC-23A : 500 A DC 125 V 2 poles in series AC-22A : 500 A AC 50/60 Hz 660/690 V AC-22A : 500 A AC 50/60 Hz 440/480 V

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

AC-23A : 500 A AC 50/60 Hz 440/480 V
 AC-22A : 500 A AC 50/60 Hz 500/525 V
 AC-23A : 500 A AC 50/60 Hz 500/525 V
 DC-22A : 500 A DC 250 V 4 poles in series
 AC-23A : 500 A AC 50/60 Hz 480 V NEMA
 DC-23A : 500 A DC 250 V 4 poles in series

[I _{th}] conventional free air thermal current	500 A (60 °C)
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[U _i] rated insulation voltage	750 V AC 50/60 Hz
[U _{imp}] rated impulse withstand voltage	8 kV
[U _e] rated operational voltage	250 V DC conforming to IEC 60947-3 690 V AC 50/60 Hz conforming to IEC 60947-3 750 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC conforming to IEC 60947-3
Mechanical interlocking	With mechanical interlocking
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 250 V DC 4 poles in series
Connection pitch	45 mm
[I _{sw}] rated short-time withstand current	11.5 kA (3 s) conforming to IEC 60947-3 20 kA (1 s) conforming to IEC 60947-3 4 kA (30 s) conforming to IEC 60947-3 4.9 kA (20 s) conforming to IEC 60947-3
Height	205 mm
Width	395 mm
Depth	155 mm
Product weight	13.5 kg
Compatibility code	ONE_PIECE_CHANGEOVER_INS500

Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	CCC KEMA-KEUR
Electrical shock protection class	Class II
IP degree of protection	IP40 conforming to IEC 60947-3
Pollution degree	3
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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