



Main

Range	Compact
Range of product	INS40...160
Product name	Compact INS
Product or component type	Switch disconnector
Device short name	Compact INS160
Switch-disconnector name	Compact INS160
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	160 A AC 50/60 Hz for 220/240 V in category AC-22A 160 A AC 50/60 Hz for 380/415 V in category AC-22A 160 A AC 50/60 Hz for 440/480 V in category AC-22A 160 A AC 50/60 Hz for 500 V in category AC-22A 160 A AC 50/60 Hz for 660/690 V in category AC-22A 100 A AC 50/60 Hz for 500 V in category AC-23A 100 A AC 50/60 Hz for 660/690 V in category AC-23A 160 A AC 50/60 Hz for 220/240 V in category AC-23A 160 A AC 50/60 Hz for 380/415 V in category AC-23A 160 A AC 50/60 Hz for 440/480 V in category AC-23A 160 A DC for 125 V in category DC-22A (2 poles in series) 160 A DC for 250 V in category DC-22A (4 poles in series) 160 A DC for 125 V in category DC-23A (2 poles in series) 160 A DC for 250 V in category DC-23A (4 poles in series)
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	160 A (60 °C)
[Icm] rated short-circuit making capacity	154 kA 690 V AC 50/60 Hz with upstream protection circuit breaker 20 kA 690 V AC 50/60 Hz switch-disconnector alone
[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

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

Complementary

Control type	Rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	DIN rail Plate
Upside connection	Front
Downside connection	Front
Maximum power	110 kW AC 50/60 Hz for 500/525 V in category AC-23 45 kW AC 50/60 Hz for 220/240 V in category AC-23 75 kW AC 50/60 Hz for 380/415 V in category AC-23 90 kW AC 50/60 Hz for 440 V in category AC-23 90 kW AC 50/60 Hz for 660/690 V in category AC-23
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
Enclosure dimensions for lthe	260 mm x 160 mm x 55 mm
[Icw] rated short-time withstand current	0.01 kA (30 s) conforming to IEC 60947-3 1.23 kA (20 s) conforming to IEC 60947-3 3.175 kA (3 s) conforming to IEC 60947-3 5.5 kA (1 s) conforming to IEC 60947-3
Mechanical durability	15000 cycles
Electrical durability	1500 cycles for 220/240 V AC 50/60 Hz in category AC-22A 1500 cycles for 380/415 V AC 50/60 Hz in category AC-22A 1500 cycles for 440 V AC 50/60 Hz in category AC-22A 1500 cycles for 500 V AC 50/60 Hz in category AC-22A 1500 cycles for 690 V AC 50/60 Hz in category AC-22A 1500 cycles for 220/240 V AC 50/60 Hz in category AC-23A 1500 cycles for 380/415 V AC 50/60 Hz in category AC-23A 1500 cycles for 440 V AC 50/60 Hz in category AC-23A 1500 cycles for 500 V AC 50/60 Hz in category AC-23A 1500 cycles for 690 V AC 50/60 Hz in category AC-23A 1500 cycles for 250 V DC in category DC-22A (4 poles in series) 1500 cycles for 250 V DC in category DC-23A (4 poles in series)
Connection pitch	30 mm
Height	100 mm
Width	135 mm
Depth	62.5 mm
Product weight	0.9 kg
Compatibility code	INS160

Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	KEMA-KEUR CCC
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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