



Main

Range of product	INS40...160
Device short name	Compact INS160
Switch-disconnector name	Compact INS160
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	DC-23A: 160 A DC 125 V 2 poles in series DC-22A: 160 A DC 125 V 2 poles in series AC-23A: 160 A AC 50/60 Hz 500 V AC-23A: 160 A AC 50/60 Hz 480 V NEMA AC-23A: 160 A AC 50/60 Hz 440/480 V AC-23A: 160 A AC 50/60 Hz 380/415 V AC-23A: 160 A AC 50/60 Hz 220/240 V AC-23A: 100 A AC 50/60 Hz 660/690 V AC-22A: 160 A AC 50/60 Hz 660/690 V AC-22A: 160 A AC 50/60 Hz 500 V AC-22A: 160 A AC 50/60 Hz 480 V NEMA AC-22A: 160 A AC 50/60 Hz 440/480 V AC-22A: 160 A AC 50/60 Hz 380/415 V AC-22A: 160 A AC 50/60 Hz 220/240 V
[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	20 kA 690 V AC 50/60 Hz switch-disconnector alone 154 kA 690 V AC 50/60 Hz with upstream protection circuit breaker
[Ue] rated operational voltage	690 V AC 50/60 Hz 125 V DC
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No
Pollution degree	3

Complementary

Control type	Rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	DIN rail Plate
Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 660/690 V AC 50/60 Hz AC-23: 480 V NEMA AC 50/60 Hz AC-23: 440 V AC 50/60 Hz AC-23: 380/415 V AC 50/60 Hz AC-23: 230 V NEMA AC 50/60 Hz AC-23: 220/240 V AC 50/60 Hz AC-23: 500/525 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %

Enclosure dimensions for Ithe	260 mm x 160 mm x 55 mm
[Icw] rated short-time withstand current	5.5 kA (1 s) conforming to IEC 60947-3 3.175 kA (3 s) conforming to IEC 60947-3 1.23 kA (20 s) conforming to IEC 60947-3 0.01 kA (30 s) conforming to IEC 60947-3
Mechanical durability	15000 cycles
Electrical durability	DC-23A: 1500 cycles 125 V DC 2 poles in series DC-22A: 1500 cycles 125 V DC 2 poles in series AC-23A: 1500 cycles 690 V AC 50/60 Hz AC-23A: 1500 cycles 500 V AC 50/60 Hz AC-23A: 1500 cycles 440 V AC 50/60 Hz AC-23A: 1500 cycles 380/415 V AC 50/60 Hz AC-23A: 1500 cycles 220/240 V AC 50/60 Hz AC-22A: 1500 cycles 690 V AC 50/60 Hz AC-22A: 1500 cycles 500 V AC 50/60 Hz AC-22A: 1500 cycles 440 V AC 50/60 Hz AC-22A: 1500 cycles 380/415 V AC 50/60 Hz AC-22A: 1500 cycles 220/240 V AC 50/60 Hz
Connection pitch	30 mm
Height	100 mm
Width	135 mm
Depth	62.5 mm
Product weight	0.8 kg

Environment

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

Period	18 months
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