

Main

Device short name	Interpact INS160
Switch-disconnector name	Interpact INS160
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	100 A AC-23A AC 50/60 Hz 660/690 V 160 A AC-22A AC 50/60 Hz 220/240 V 160 A AC-23A AC 50/60 Hz 220/240 V 160 A AC-22A AC 50/60 Hz 380/415 V 160 A AC-23A AC 50/60 Hz 380/415 V 160 A AC-22A AC 50/60 Hz 440/480 V 160 A AC-23A AC 50/60 Hz 440/480 V 160 A AC-22A AC 50/60 Hz 500 V 160 A DC-22A DC 125 V 2 poles in series 160 A DC-23A DC 125 V 2 poles in series 160 A AC-23A AC 50/60 Hz 500 V 160 A AC-22A AC 50/60 Hz 660/690 V 160 A AC-22A AC 50/60 Hz 480 V NEMA 160 A AC-23A AC 50/60 Hz 480 V NEMA
[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 switch-disconnector alone 690 V AC 50/60 Hz 154 kA with upstream protection circuit breaker 690 V AC 50/60 Hz
[Ue] rated operational voltage	125 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	Rotary handle
Mounting mode	Fixed
Mounting support	DIN rail plate
Upside connection	Front
Downside connection	Front
Maximum power	45 kW AC-23 230 V NEMA AC 50/60 Hz 45 kW AC-23 220/240 V AC 50/60 Hz 75 kW AC-23 380/415 V AC 50/60 Hz 90 kW AC-23 480 V NEMA AC 50/60 Hz 90 kW AC-23 440 V AC 50/60 Hz 90 kW AC-23 660/690 V AC 50/60 Hz 110 kW 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

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[Icw] rated short-time withstand current	0,01 kA 30 s IEC 60947-3 5,5 kA 1 s IEC 60947-3 1,23 kA 20 s IEC 60947-3 3,175 kA 3 s IEC 60947-3
Mechanical durability	15000 cycles
Electrical durability	1500 cycles 220/240 V AC 50/60 Hz AC-22A 1500 cycles 220/240 V AC 50/60 Hz AC-23A 1500 cycles 380/415 V AC 50/60 Hz AC-22A 1500 cycles 380/415 V AC 50/60 Hz AC-23A 1500 cycles 440 V AC 50/60 Hz AC-22A 1500 cycles 440 V AC 50/60 Hz AC-23A 1500 cycles 500 V AC 50/60 Hz AC-22A 1500 cycles 500 V AC 50/60 Hz AC-23A 1500 cycles 690 V AC 50/60 Hz AC-22A 1500 cycles 690 V AC 50/60 Hz AC-23A 1500 cycles 125 V 2 poles in series DC DC-22A 1500 cycles 125 V 2 poles in series DC DC-23A
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 IEC 60529
IK degree of protection	IK07 EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C
RoHS EUR conformity date	0811
RoHS EUR status	Compliant