



### Main

Device short name	Interpact INS80
Switch-disconnector name	Interpact INS80
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A: 80 A AC 50/60 Hz 480 V NEMA AC-22A: 80 A AC 50/60 Hz 220/240 V AC-22A: 80 A AC 50/60 Hz 380/415 V AC-22A: 80 A AC 50/60 Hz 440/480 V AC-22A: 80 A AC 50/60 Hz 500 V AC-23A: 63 A AC 50/60 Hz 480 V NEMA AC-23A: 80 A AC 50/60 Hz 220/240 V AC-23A: 72 A AC 50/60 Hz 380/415 V AC-23A: 63 A AC 50/60 Hz 440/480 V AC-23A: 40 A AC 50/60 Hz 500 V DC-22A: 80 A DC 125 V 2 poles in series DC-22A: 80 A DC 250 V 4 poles in series DC-23A: 80 A DC 125 V 2 poles in series DC-23A: 80 A DC 250 V 4 poles in series
[Ui] rated insulation voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	80 A ( 60 °C )
[Icm] rated short-circuit making capacity	15 kA 500 V AC 50/60 Hz switch-disconnector alone 75 kA 500 V AC 50/60 Hz with upstream protection circuit breaker
[Ue] rated operational voltage	250 V DC 500 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
Cable cross section	1.5...50 mm <sup>2</sup>
Maximum power	AC-23: 22 kW 220/240 V AC 50/60 Hz AC-23: 37 kW 380/415 V AC 50/60 Hz AC-23: 37 kW 440 V AC 50/60 Hz AC-23: 22 kW 500/525 V AC 50/60 Hz AC-23: 15 kW 230 V NEMA AC 50/60 Hz AC-23: 30 kW 480 V NEMA AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
Enclosure dimensions for Ithe	190 mm x 115 mm x 55 mm

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[I <sub>cw</sub> ] rated short-time withstand current	0.05 kA ( 30 s ) conforming to IEC 60947-3 0.067 kA ( 20 s ) conforming to IEC 60947-3 1.73 kA ( 3 s ) conforming to IEC 60947-3 3 kA ( 1 s ) conforming to IEC 60947-3
Mechanical durability	20000 cycles
Electrical durability	AC-22A: 1500 cycles 220/240 V AC 50/60 Hz AC-22A: 1500 cycles 380/415 V AC 50/60 Hz AC-22A: 1500 cycles 440 V AC 50/60 Hz AC-22A: 1500 cycles 500 V AC 50/60 Hz AC-23A: 1500 cycles 220/240 V AC 50/60 Hz AC-23A: 1500 cycles 380/415 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 DC-22A: 1500 cycles 250 V DC 4 poles in series DC-23A: 1500 cycles 250 V DC 4 poles in series
Connection pitch	18 mm
Height	85 mm
Width	90 mm
Depth	62.5 mm
Product weight	0.6 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
RoHS EUR conformity date	0815
RoHS EUR status	Compliant