

# 31160

## visible break switch-disconnector Interpact INV100 - 100 A - 3 poles



### Main

Device short name	Interpact INV100
Switch-disconnector name	Interpact INV100
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-21A: 100 A AC 50/60 Hz 220/240 V AC-21A: 100 A AC 50/60 Hz 380/415 V AC-21A: 100 A AC 50/60 Hz 440/480 V AC-21A: 100 A AC 50/60 Hz 500/525 V AC-21A: 100 A AC 50/60 Hz 660/690 V AC-21A: 100 A AC 50/60 Hz 480 V NEMA AC-22A: 100 A AC 50/60 Hz 220/240 V AC-22A: 100 A AC 50/60 Hz 380/415 V AC-22A: 100 A AC 50/60 Hz 440/480 V AC-22A: 100 A AC 50/60 Hz 500/525 V AC-22A: 100 A AC 50/60 Hz 660/690 V AC-22A: 100 A AC 50/60 Hz 480 V NEMA AC-23A: 100 A AC 50/60 Hz 220/240 V AC-23A: 100 A AC 50/60 Hz 380/415 V AC-23A: 100 A AC 50/60 Hz 440/480 V AC-23A: 100 A AC 50/60 Hz 500/525 V AC-23A: 100 A AC 50/60 Hz 660/690 V AC-23A: 100 A AC 50/60 Hz 480 V NEMA DC-21A: 100 A DC 125 V 2 poles in series DC-22A: 100 A DC 125 V 2 poles in series DC-23B: 100 A DC 125 V 2 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	100 A ( 60 °C )
[Icm] rated short-circuit making capacity	30 kA 690 V AC 50/60 Hz switch-disconnector alone 330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker
[Ue] rated operational voltage	125 V DC 690 V AC 50/60 Hz
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	Yes
Pollution degree	3

### Complementary

Control type	Direct front rotary handle
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front

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Maximum power	AC-23: 22 kW 230 V NEMA AC 50/60 Hz AC-23: 55 kW 480 V NEMA AC 50/60 Hz AC-23: 22 kW 220/240 V AC 50/60 Hz AC-23: 45 kW 380/415 V AC 50/60 Hz AC-23: 55 kW 440 V AC 50/60 Hz AC-23: 55 kW 500/525 V AC 50/60 Hz AC-23: 55 kW 660/690 V AC 50/60 Hz
Rated duty	Uninterrupted
[I <sub>cw</sub> ] rated short-time withstand current	1.8 kA ( 30 s ) conforming to IEC 60947-3 2.2 kA ( 20 s ) conforming to IEC 60947-3 4.9 kA ( 3 s ) conforming to IEC 60947-3 8.5 kA ( 1 s ) conforming to IEC 60947-3
Mechanical durability	15000 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-22A: 1500 cycles 125 V DC DC-23A: 1500 cycles 125 V DC
Connection pitch	45 mm
Height	136 mm
Width	140 mm
Depth	96 mm
Product weight	2 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	0811
RoHS EUR status	Compliant