



### Main

Range	Compact
Range of product	INV100...250
Product name	Compact INV
Device short name	Interpact INV160
Switch-disconnector name	Interpact INV160
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
Handle colour	Red
[Ie] rated operational current	DC-22A : 160 A DC 125 V 2 poles in series AC-22A : 160 A AC 50/60 Hz 440/480 V AC-22A : 160 A AC 50/60 Hz 660/690 V AC-22A : 160 A AC 50/60 Hz 220/240 V AC-22A : 160 A AC 50/60 Hz 380/415 V AC-23A : 160 A AC 50/60 Hz 440/480 V DC-21A : 160 A DC 125 V 2 poles in series AC-23A : 160 A AC 50/60 Hz 380/415 V AC-21A : 160 A AC 50/60 Hz 440/480 V AC-22A : 160 A AC 50/60 Hz 500/525 V AC-23A : 160 A AC 50/60 Hz 500/525 V AC-23A : 160 A AC 50/60 Hz 220/240 V AC-21A : 160 A AC 50/60 Hz 500/525 V AC-23A : 160 A AC 50/60 Hz 480 V NEMA AC-23A : 160 A AC 50/60 Hz 660/690 V AC-22A : 160 A AC 50/60 Hz 480 V NEMA AC-21A : 160 A AC 50/60 Hz 380/415 V DC-23B : 160 A DC 125 V 2 poles in series AC-21A : 160 A AC 50/60 Hz 480 V NEMA AC-21A : 160 A AC 50/60 Hz 660/690 V AC-21A : 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	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

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

Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	Yes
Pollution degree	3

## Complementary

Control type	Rotary handle
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 45 kW 220/240 V AC 50/60 Hz AC-23 : 90 kW 660/690 V AC 50/60 Hz AC-23 : 90 kW 440 V AC 50/60 Hz AC-23 : 110 kW 500/525 V AC 50/60 Hz AC-23 : 45 kW 230 V NEMA AC 50/60 Hz AC-23 : 75 kW 380/415 V AC 50/60 Hz AC-23 : 50 kW 480 V NEMA 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
Compatibility code	INV160

## 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

Warranty period	18 months
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## Product identification

Product or component type	Switch disconnecter
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