



Main

Range	Compact
Range of product	INV100...250
Product name	Compact INV
Device short name	Interpact INV100
Switch-disconnector name	Interpact INV100
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
Handle colour	Red
[Ie] rated operational current	AC-22A : 100 A AC 50/60 Hz 220/240 V AC-22A : 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 AC-22A : 100 A AC 50/60 Hz 380/415 V AC-23A : 100 A AC 50/60 Hz 500/525 V AC-22A : 100 A AC 50/60 Hz 660/690 V AC-23A : 100 A AC 50/60 Hz 440/480 V AC-23A : 100 A AC 50/60 Hz 380/415 V AC-23A : 100 A AC 50/60 Hz 220/240 V AC-22A : 100 A AC 50/60 Hz 440/480 V AC-21A : 100 A AC 50/60 Hz 480 V NEMA AC-22A : 100 A AC 50/60 Hz 480 V NEMA DC-23B : 100 A DC 127 V 2 poles in series DC-22A : 100 A DC 250 V 4 poles in series AC-21A : 100 A AC 50/60 Hz 660/690 V AC-21A : 100 A AC 50/60 Hz 220/240 V DC-21A : 100 A DC 250 V 4 poles in series AC-21A : 100 A AC 50/60 Hz 440/480 V AC-21A : 100 A AC 50/60 Hz 500/525 V DC-22A : 100 A DC 126 V 2 poles in series DC-23B : 100 A DC 250 V 4 poles in series DC-21A : 100 A DC 125 V 2 poles in series AC-21A : 100 A AC 50/60 Hz 380/415 V
[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)

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

[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	250 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	Rotary handle
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 55 kW 440 V AC 50/60 Hz AC-23 : 22 kW 220/240 V AC 50/60 Hz AC-23 : 22 kW 230 V NEMA AC 50/60 Hz AC-23 : 45 kW 380/415 V AC 50/60 Hz AC-23 : 55 kW 480 V NEMA 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
[Icw] 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 250 V DC DC-23A : 1500 cycles 250 V DC
Connection pitch	45 mm
Height	136 mm
Width	140 mm
Depth	96 mm
Product weight	2.2 kg
Compatibility code	INV100

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

31181