



### Main

Range	Compact
Range of product	INV630b...2500
Product name	Compact INS
Device short name	Interpact INV1600
Product or component type	Switch disconnector
Switch-disconnector name	Interpact INV1600
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[I <sub>e</sub> ] rated operational current	AC-23A : 1250 A AC 50/60 Hz 220/240 V AC-23A : 1250 A AC 50/60 Hz 380/415 V AC-23A : 1250 A AC 50/60 Hz 440/480 V AC-23A : 1250 A AC 50/60 Hz 500/525 V AC-23A : 1250 A AC 50/60 Hz 660/690 V AC-21A : 1250 A AC 50/60 Hz 440/480 V AC-21B : 1600 A AC 50/60 Hz 380/415 V AC-22B : 1600 A AC 50/60 Hz 220/240 V AC-21A : 1450 A AC 50/60 Hz 380/415 V DC-21A : 1600 A DC 250 V 4 poles in series AC-22B : 1600 A AC 50/60 Hz 440/480 V AC-22A : 1250 A AC 50/60 Hz 480 V NEMA DC-23A : 1600 A DC 125 V 2 poles in series AC-21B : 1600 A AC 50/60 Hz 500/525 V AC-21A : 1250 A AC 50/60 Hz 660/690 V AC-22B : 1600 A AC 50/60 Hz 660/690 V AC-22A : 1450 A AC 50/60 Hz 220/240 V AC-22B : 1600 A AC 50/60 Hz 380/415 V AC-22A : 1250 A AC 50/60 Hz 440/480 V AC-21B : 1600 A AC 50/60 Hz 220/240 V DC-22A : 1600 A DC 125 V 2 poles in series DC-21A : 1600 A DC 125 V 2 poles in series AC-21B : 1600 A AC 50/60 Hz 440/480 V AC-23A : 1250 A AC 50/60 Hz 480 V NEMA AC-21A : 1250 A AC 50/60 Hz 480 V NEMA AC-22B : 1600 A AC 50/60 Hz 480 V NEMA AC-22A : 1250 A AC 50/60 Hz 500/525 V AC-22A : 1250 A AC 50/60 Hz 660/690 V DC-22A : 1600 A DC 250 V 4 poles in series AC-21B : 1600 A AC 50/60 Hz 480 V NEMA AC-21A : 1250 A AC 50/60 Hz 500/525 V

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

AC-22B : 1600 A AC 50/60 Hz 500/525 V  
 AC-21A : 1450 A AC 50/60 Hz 220/240 V  
 AC-21B : 1600 A AC 50/60 Hz 660/690 V  
 AC-22A : 1450 A AC 50/60 Hz 380/415 V  
 DC-23A : 1600 A DC 250 V 4 poles in series

[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 kV
[Ith] conventional free air thermal current	1600 A ( 60 °C )
[Icm] rated short-circuit making capacity	75 kA 690 V AC 50/60 Hz switch-disconnector alone 75 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	Direct front rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	Rail Plate
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 400 kW 220/240 V AC 50/60 Hz AC-23 : 900 kW 500/525 V AC 50/60 Hz AC-23 : 710 kW 380/400 V AC 50/60 Hz AC-23 : 800 kW 415 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] rated short-time withstand current	10 kA ( 20 s ) conforming to IEC 60947-3 20 kA ( 3 s ) conforming to IEC 60947-3 35 kA ( 1 s ) conforming to IEC 60947-3 42 kA ( 0.8 s ) conforming to IEC 60947-3 50 kA ( 0.5 s ) conforming to IEC 60947-3 8 kA ( 30 s ) conforming to IEC 60947-3
Mechanical durability	3000 cycles
Electrical durability	DC-21A : 500 cycles 250 V DC 4 poles in series AC-21A : 500 cycles 220/240 V AC 50/60 Hz AC-21A : 500 cycles 380/415 V AC 50/60 Hz AC-21A : 500 cycles 440/480 V AC 50/60 Hz AC-21A : 500 cycles 500/525 V AC 50/60 Hz AC-21A : 500 cycles 660/690 V AC 50/60 Hz AC-21B : 100 cycles 220/240 V AC 50/60 Hz AC-21B : 100 cycles 380/415 V AC 50/60 Hz AC-21B : 100 cycles 440/480 V AC 50/60 Hz AC-21B : 100 cycles 500/525 V AC 50/60 Hz AC-21B : 100 cycles 660/690 V AC 50/60 Hz AC-22A : 500 cycles 220/240 V AC 50/60 Hz AC-22A : 500 cycles 380/415 V AC 50/60 Hz AC-22A : 500 cycles 440/480 V AC 50/60 Hz AC-22A : 500 cycles 500/525 V AC 50/60 Hz AC-22A : 500 cycles 660/690 V AC 50/60 Hz AC-22B : 100 cycles 220/240 V AC 50/60 Hz AC-22B : 100 cycles 380/415 V AC 50/60 Hz AC-22B : 100 cycles 440/480 V AC 50/60 Hz AC-22B : 100 cycles 500/525 V AC 50/60 Hz AC-22B : 100 cycles 660/690 V AC 50/60 Hz AC-23B : 500 cycles 220/240 V AC 50/60 Hz AC-23B : 500 cycles 380/415 V AC 50/60 Hz AC-23B : 500 cycles 440/480 V AC 50/60 Hz AC-23B : 500 cycles 500/525 V AC 50/60 Hz AC-23B : 500 cycles 660/690 V AC 50/60 Hz

DC-21A : 500 cycles 125 V DC 2 poles in series  
DC-22A : 500 cycles 125 V DC 2 poles in series  
DC-22A : 500 cycles 250 V DC 4 poles in series  
DC-23A : 500 cycles 125 V DC 2 poles in series  
DC-23A : 500 cycles 250 V DC 4 poles in series

Connection pitch	70 mm
Height	300 mm
Width	340 mm
Depth	146.5 mm
Product weight	18 kg
Compatibility code	INV1600

## Environment

Standards	IEC 60947-3 IEC 60947-1
Product certifications	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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