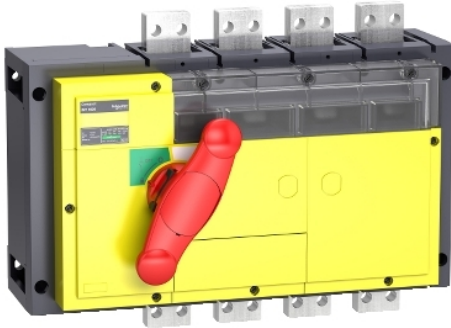


31379

visible break switch-disconnector Compact INV1600 - 1600 A - 4 poles



Main

Range	ComPact
Product name	Compact INS
Product or component type	Switch disconnector
Poles description	4P
Network type	DC AC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-21A: 1250 A AC 50/60 Hz 440/480 V AC-21A: 1250 A AC 50/60 Hz 480 V NEMA AC-21A: 1250 A AC 50/60 Hz 500/525 V AC-21A: 1250 A AC 50/60 Hz 660/690 V AC-22A: 1250 A AC 50/60 Hz 440/480 V AC-22A: 1250 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 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 480 V NEMA AC-23A: 1250 A AC 50/60 Hz 500/525 V AC-23A: 1250 A AC 50/60 Hz 660/690 V AC-21A: 1450 A AC 50/60 Hz 220/240 V AC-21A: 1450 A AC 50/60 Hz 380/415 V AC-21B: 1600 A AC 50/60 Hz 220/240 V AC-21B: 1600 A AC 50/60 Hz 380/415 V AC-21B: 1600 A AC 50/60 Hz 440/480 V AC-21B: 1600 A AC 50/60 Hz 480 V NEMA AC-21B: 1600 A AC 50/60 Hz 500/525 V AC-21B: 1600 A AC 50/60 Hz 660/690 V AC-22A: 1450 A AC 50/60 Hz 220/240 V AC-22A: 1450 A AC 50/60 Hz 380/415 V AC-22B: 1600 A AC 50/60 Hz 220/240 V AC-22B: 1600 A AC 50/60 Hz 380/415 V AC-22B: 1600 A AC 50/60 Hz 440/480 V AC-22B: 1600 A AC 50/60 Hz 480 V NEMA AC-22B: 1600 A AC 50/60 Hz 500/525 V AC-22B: 1600 A AC 50/60 Hz 660/690 V DC-21A: 1600 A DC 125 V 2 poles in series DC-22A: 1600 A DC 125 V 2 poles in series DC-21A: 1600 A DC 250 V 4 poles in series DC-22A: 1600 A DC 250 V 4 poles in series 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 at 60 °C
[Icm] rated short-circuit making capacity	75 kA switch-disconnector alone 690 V AC at 50/60 Hz 75 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz
[Ue] rated operational voltage	690 V AC 50/60 Hz 250 V DC
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	Yes
Pollution degree	3

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

Control type	Rotary handle
Handle colour	Red
Mounting mode	Fixed
Mounting support	Rail Plate
Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 400 kW at 220/240 V AC 50/60 Hz AC-23: 710 kW at 380/400 V AC 50/60 Hz AC-23: 800 kW at 415 V AC 50/60 Hz AC-23: 900 kW at 500/525 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] rated short-time withstand current	10 kA during 20 s conforming to IEC 60947-3 20 kA during 3 s conforming to IEC 60947-3 35 kA during 1 s conforming to IEC 60947-3 42 kA during 0.8 s conforming to IEC 60947-3 50 kA during 0.5 s conforming to IEC 60947-3 8 kA during 30 s conforming to IEC 60947-3
Mechanical durability	3000 cycles
Electrical durability	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-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 DC-21A: 500 cycles 125 V DC 2 poles in series DC-22A: 500 cycles 125 V DC 2 poles in series DC-21A: 500 cycles 250 V DC 4 poles in series DC-22A: 500 cycles 250 V DC 4 poles in series 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-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
Connection pitch	70 mm
Height	300 mm
Width	340 mm
Depth	146.5 mm
Net weight	18 kg

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

Packing Units

Package 1 Weight	18.151 kg
Package 1 Height	20.000 cm
Package 1 width	33.000 cm
Package 1 Length	43.000 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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