Product data sheet

Specifications

switch disconnector, Compact INV630b, visible break, 630 A, standard version with black rotary handle, 4 poles

31371

Main

Range	ComPact
Product Name	ComPacT INS
Product Or Component Type	Switch disconnector
Poles Description	4P
Network Type	AC DC
Network Frequency	50/60 Hz
[Ie] Rated Operational Current	AC-21A: 630 A AC 50/60 Hz 220/240 V AC-21A: 630 A AC 50/60 Hz 380/415 V AC-21A: 630 A AC 50/60 Hz 440/480 V AC-21A: 630 A AC 50/60 Hz 480 V NEMA AC-21A: 630 A AC 50/60 Hz 500/525 V AC-21A: 630 A AC 50/60 Hz 660/690 V AC-22A: 630 A AC 50/60 Hz 220/240 V AC-22A: 630 A AC 50/60 Hz 380/415 V AC-22A: 630 A AC 50/60 Hz 440/480 V AC-22A: 630 A AC 50/60 Hz 480 V NEMA AC-22A: 630 A AC 50/60 Hz 500/525 V AC-22A: 630 A AC 50/60 Hz 660/690 V AC-23A: 630 A AC 50/60 Hz 220/240 V AC-23A: 630 A AC 50/60 Hz 380/415 V AC-23A: 630 A AC 50/60 Hz 440/480 V AC-23A: 630 A AC 50/60 Hz 480 V NEMA AC-23A: 630 A AC 50/60 Hz 500/525 V AC-23A: 630 A AC 50/60 Hz 660/690 V DC-21A: 630 A DC 125 V 2 poles in series DC-22A: 630 A DC 125 V 2 poles in series DC-23A: 630 A DC 125 V 2 poles in series DC-21A: 630 A DC 250 V 4 poles in series DC-22A: 630 A DC 250 V 4 poles in series DC-23A: 630 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	630 A at 60 °C
[Icm] Rated Short-Circuit Making Capacity	330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 75 kA switch-disconnector alone 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

Complementary

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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: 250 kW at 220/240 V AC 50/60 Hz AC-23: 400 kW at 380/400 V AC 50/60 Hz AC-23: 500 kW at 415 V AC 50/60 Hz AC-23: 560 kW at 500/525 V AC 50/60 Hz AC-23: 710 kW at 660/690 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	5000 cycles
Electrical Durability	AC-21A: 1000 cycles 220/240 V AC 50/60 Hz AC-21A: 1000 cycles 380/415 V AC 50/60 Hz AC-21A: 1000 cycles 440/480 V AC 50/60 Hz AC-21A: 1000 cycles 500/525 V AC 50/60 Hz AC-21A: 1000 cycles 660/690 V AC 50/60 Hz AC-22A: 1000 cycles 220/240 V AC 50/60 Hz AC-22A: 1000 cycles 380/415 V AC 50/60 Hz AC-22A: 1000 cycles 440/480 V AC 50/60 Hz AC-22A: 1000 cycles 500/525 V AC 50/60 Hz AC-22A: 1000 cycles 660/690 V AC 50/60 Hz AC-23A: 1000 cycles 220/240 V AC 50/60 Hz AC-23A: 1000 cycles 380/415 V AC 50/60 Hz AC-23A: 1000 cycles 440/480 V AC 50/60 Hz AC-23A: 1000 cycles 500/525 V AC 50/60 Hz AC-23A: 1000 cycles 660/690 V AC 50/60 Hz DC-21A: 1000 cycles 125 V DC 2 poles in series DC-22A: 1000 cycles 125 V DC 2 poles in series DC-23A: 1000 cycles 125 V DC 2 poles in series DC-21A: 1000 cycles 250 V DC 4 poles in series DC-22A: 1000 cycles 250 V DC 4 poles in series DC-23A: 1000 cycles 250 V DC 4 poles in series
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

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	20 cm
Package 1 Width	33 cm
Package 1 Length	43 cm
Package 1 Weight	19.15 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium ›

Guide to assess a product's sustainability ›

RoHS/REACh

Well-being performance

✅ Mercury Free

✅ Rohs Exemption Information   Yes

Certifications & Standards

Eu Rohs Directive   Compliant

EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

Product out of China RoHS scope. Substance declaration for your information

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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