Product data sheet

Specifications

switch disconnector, Compact INS250-160, 160A, with red rotary handle and yellow front, 4 poles

31125

Main

Range	ComPact
Product Or Component Type	Switch disconnector
Product Name	ComPacT INS
Poles Description	4P
Network Type	DC AC
Network Frequency	50/60 Hz
[Ie] Rated Operational Current	AC-22A: 160 A AC 50/60 Hz 220/240 V AC-22A: 160 A AC 50/60 Hz 380/415 V AC-22A: 160 A AC 50/60 Hz 440/480 V AC-22A: 160 A AC 50/60 Hz 480 V NEMA AC-22A: 160 A AC 50/60 Hz 500/525 V AC-22A: 160 A AC 50/60 Hz 660/690 V AC-23A: 160 A AC 50/60 Hz 220/240 V AC-23A: 160 A AC 50/60 Hz 380/415 V AC-23A: 160 A AC 50/60 Hz 440/480 V AC-23A: 160 A AC 50/60 Hz 480 V NEMA AC-23A: 160 A AC 50/60 Hz 500/525 V AC-23A: 160 A AC 50/60 Hz 660/690 V DC-22A: 160 A DC 125 V 2 poles in series DC-22A: 160 A DC 250 V 4 poles in series DC-23A: 160 A DC 125 V 2 poles in series DC-23A: 160 A DC 250 V 4 poles in series
[Ui] Rated Insulation Voltage	750 V AC 50/60 Hz
[Ith] Conventional Free Air Thermal Current	160 A at 60 °C
[Icm] Rated Short-Circuit Making Capacity	30 kA switch-disconnector alone 690 V AC at 50/60 Hz 330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz
[Ue] Rated Operational Voltage	250 V DC 690 V AC 50/60 Hz
Suitability For Isolation	Yes
Contact Position Indicator	Yes
Visible Break	No
Pollution Degree	3

Complementary

Control Type	Red and yellow rotary handle
Handle Colour	Red
Mounting Mode	Fixed
Mounting Support	Rail Plate

Upside Connection	Front
Downside Connection	Front
Maximum Power	AC-23: 110 kW at 500/525 V AC 50/60 Hz AC-23: 45 kW at 220/240 V AC 50/60 Hz AC-23: 45 kW at 230 V AC 50/60 Hz (NEMA) AC-23: 75 kW at 380/415 V AC 50/60 Hz AC-23: 90 kW at 440 V AC 50/60 Hz AC-23: 90 kW at 480 V AC 50/60 Hz (NEMA) AC-23: 90 kW at 660/690 V AC 50/60 Hz
Rated Duty	Uninterrupted
[Icw] Rated Short-Time Withstand Current	1.8 kA during 30 s conforming to IEC 60947-3 2.2 kA during 20 s conforming to IEC 60947-3 4.9 kA during 3 s conforming to IEC 60947-3 8.5 kA during 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 4 poles in series DC-23A: 1500 cycles 250 V DC 4 poles in series
Connection Pitch	35 mm
Height	136 mm
Width	140 mm
Depth	96 mm
Net Weight	2.2 kg

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	13.800 cm
Package 1 Width	16.100 cm
Package 1 Length	16.800 cm
Package 1 Weight	2.495 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm

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Package 2 Length	40.000 cm
Package 2 Weight	10.468 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 ›

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation	REACh Declaration

Eu Rohs Directive	Compliant with Exemptions

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

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Environmental Disclosure	Product Environmental Profile

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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Circularity Profile	End of Life Information