Product datasheet

Specifications

switch-disconnector Compact INS250 - 160 A - 4 poles

31105

Main

Range	ComPact
Product Or Component Type	Switch disconnector
Product Name	ComPacT INS
Poles Description	4P
Network Type	AC DC
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	Direct front rotary handle
Handle Colour	Black
Mounting Mode	Fixed
Mounting Support	Rail Plate

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

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 60947-3 IEC 60947-1
Product Certifications	KEMA-KEUR CCC
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	16.9 cm
Package 1 Width	13.8 cm
Package 1 Length	16.0 cm
Package 1 Weight	2.422 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	9
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm

Package 2 Length	60.0 cm
Package 2 Weight	22.573 kg

Contractual warranty

Warranty	12 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
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
Circularity Profile	End of Life Information