Product datasheet

Specification





switch disconnector, Compact INS500, 500A, standard version with black rotary handle, 3 poles

31112

Main

Main	
Range	ComPact
Product Or Component Type	Switch disconnector
Product Name	ComPacT INS
Poles Description	3P
Network Type	AC
	DC
Network Frequency	50/60 Hz
[le] Rated Operational Current	AC-22A: 500 A AC 50/60 Hz 220/240 V
[] p	AC-22A: 500 A AC 50/60 Hz 380/415 V
	AC-22A: 500 A AC 50/60 Hz 440/480 V
	AC-22A: 500 A AC 50/60 Hz 480 V NEMA
	AC-22A: 500 A AC 50/60 Hz 500/525 V
	AC-22A: 500 A AC 50/60 Hz 660/690 V
	AC-23A: 500 A AC 50/60 Hz 220/240 V
	AC-23A: 500 A AC 50/60 Hz 380/415 V
	AC-23A: 500 A AC 50/60 Hz 440/480 V
	AC-23A: 500 A AC 50/60 Hz 480 V NEMA
	AC-23A: 500 A AC 50/60 Hz 500/525 V
	AC-23A: 500 A AC 50/60 Hz 660/690 V
	DC-22A: 500 A DC 125 V 2 poles in series
	DC-23A: 500 A DC 125 V 2 poles in series
[Ui] Rated Insulation Voltage	750 V AC 50/60 Hz
[Uimp] Rated Impulse Withstand	8 kV
Voltage	8 kV conforming to IEC 60947-3
[Ith] Conventional Free Air Thermal Current	500 A at 60 °C
[Icm] Rated Short-Circuit Making	330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz
Capacity	50 kA switch-disconnector alone 690 V AC at 50/60 Hz
[Ue] Rated Operational Voltage	125 V DC
(,	690 V AC 50/60 Hz
	030 V AC 30/00 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

Upside Connection	Front	
Downside Connection	Front	
Maximum Power	AC-23: 132 kW at 220/240 V AC 50/60 Hz	
	AC-23: 150 kW at 230 V AC 50/60 Hz (NEMA)	
	AC-23: 250 kW at 380/415 V AC 50/60 Hz	
	AC-23: 250 kW at 440 V AC 50/60 Hz	
	AC-23: 250 kW at 480 V AC 50/60 Hz (NEMA)	
	AC-23: 355 kW at 500/525 V AC 50/60 Hz	
	AC-23: 500 kW at 660/690 V AC 50/60 Hz	
Rated Duty	Uninterrupted	
[Icw] Rated Short-Time Withstand	11.5 kA during 3 s conforming to IEC 60947-3	
Current	20 kA during 1 s conforming to IEC 60947-3	
	4 kA during 30 s conforming to IEC 60947-3	
	4.9 kA during 20 s conforming to IEC 60947-3	
Mechanical Durability	10000 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-23A: 1000 cycles 125 V DC 2 poles in series	
Connection Pitch	45 mm	
Height	205 mm	
Width	185 mm	
Depth	130 mm	
Net Weight	4.6 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	-2570 °C
Ambient Air Temperature For Storage	-5085 °C

Packing Units

•	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	19.0 cm
Package 1 Width	19.0 cm
Package 1 Length	22.5 cm
Package 1 Weight	5.0 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	4
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm

Package 2 Length	60.0 cm
Package 2 Weight	20.738 kg

Contractual warranty

Warranty 18 months

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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