

## Product data sheet

### Characteristics

# 28908

switch disconnecter, Compact INS100 , 100 A, standard version with black rotary handle, 3 poles



### Main

Range	ComPact
Product name	Compact INS
Product or component type	Switch disconnecter
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A: 100 A AC 50/60 Hz 220/240 V AC-22A: 100 A AC 50/60 Hz 380/415 V AC-22A: 100 A AC 50/60 Hz 440/480 V AC-22A: 100 A AC 50/60 Hz 500 V AC-22A: 100 A AC 50/60 Hz 660/690 V AC-23A: 100 A AC 50/60 Hz 220/240 V AC-23A: 100 A AC 50/60 Hz 380/415 V AC-23A: 100 A AC 50/60 Hz 440/480 V AC-23A: 100 A AC 50/60 Hz 500 V AC-23A: 63 A AC 50/60 Hz 660/690 V DC-22A: 100 A DC 125 V 2 poles in series DC-23A: 100 A DC 125 V 2 poles in series
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	100 A at 60 °C
[Icm] rated short-circuit making capacity	154 KA with upstream protection circuit breaker 690 V AC at 50/60 Hz 20 kA switch-disconnector alone 690 V AC at 50/60 Hz
[Ue] rated operational voltage	125 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	Rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate DIN rail
Upside connection	Front
Downside connection	Front

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.

Maximum power	AC-23: 22 kW at 220/240 V AC 50/60 Hz AC-23: 45 kW at 380/415 V AC 50/60 Hz AC-23: 55 kW at 440 V AC 50/60 Hz AC-23: 55 kW at 500/525 V AC 50/60 Hz AC-23: 55 kW at 660/690 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
Enclosure dimensions for Ithe	260 mm x 160 mm x 55 mm
[I <sub>cw</sub> ] rated short-time withstand current	0.01 KA during 30 s conforming to IEC 60947-3 1.23 KA during 20 s conforming to IEC 60947-3 3.175 KA during 3 s conforming to IEC 60947-3 5.5 kA during 1 s conforming to IEC 60947-3
Mechanical durability	15000 cycles
Electrical durability	AC-22A: 1500 cycles 220/240 V AC 50/60 Hz AC-22A: 1500 cycles 380/415 V AC 50/60 Hz AC-22A: 1500 cycles 440 V AC 50/60 Hz AC-22A: 1500 cycles 500 V AC 50/60 Hz AC-23A: 1500 cycles 220/240 V AC 50/60 Hz AC-23A: 1500 cycles 380/415 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 DC-22A: 1500 cycles 250 V DC 2 poles in series DC-23A: 1500 cycles 250 V DC 2 poles in series AC-22A: 1500 cycles 690 V AC 50/60 Hz AC-23A: 1500 cycles 690 V AC 50/60 Hz
Connection pitch	30 mm
Height	100 mm
Width	135 mm
Depth	62.5 mm
Product weight	0.8 kg

## Environment

Standards	IEC 60947-3 IEC 60947-1
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 Weight	1.033 kg
Package 1 Height	11.689 cm
Package 1 width	13.743 cm
Package 1 Length	15.574 cm
Unit Type of Package 2	S04
Number of Units in Package 2	20
Package 2 Weight	23.822 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm
Unit Type of Package 3	P12
Number of Units in Package 3	80
Package 3 Weight	107.29 kg
Package 3 Height	50 cm
Package 3 width	80 cm
Package 3 Length	120 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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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