

## Product data sheet

### Characteristics

# 28900

Switch disconnecter, ComPact, Compact  
INS40 , 40 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	DC AC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-22A: 40 A AC 50/60 Hz 220/240 V AC-22A: 40 A AC 50/60 Hz 380/415 V AC-22A: 40 A AC 50/60 Hz 440/480 V AC-22A: 40 A AC 50/60 Hz 500 V AC-23A: 32 A AC 50/60 Hz 500 V AC-23A: 40 A AC 50/60 Hz 220/240 V AC-23A: 40 A AC 50/60 Hz 380/415 V AC-23A: 40 A AC 50/60 Hz 440/480 V DC-22A: 40 A DC 125 V 2 poles in series DC-23A: 40 A DC 125 V 2 poles in series
[Ui] rated insulation voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	40 A at 60 °C
[Icm] rated short-circuit making capacity	15 KA switch-disconnector alone 500 V AC at 50/60 Hz 75 kA with upstream protection circuit breaker 500 V AC at 50/60 Hz
[Ue] rated operational voltage	125 V DC 500 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	DIN rail Plate
Upside connection	Front
Downside connection	Front
Cable cross section	1.5...50 mm <sup>2</sup>
Maximum power	AC-23: 11 kW at 220/240 V AC 50/60 Hz AC-23: 18.5 kW at 500/525 V AC 50/60 Hz AC-23: 20 kW at 380/415 V AC 50/60 Hz AC-23: 22 kW at 440 V AC 50/60 Hz

Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[I <sub>cw</sub> ] rated short-time withstand current	0.67 kA during 20 s conforming to IEC 60947-3 1.73 kA during 3 s conforming to IEC 60947-3 3 kA during 1 s conforming to IEC 60947-3 0.55 kA during 30 s conforming to IEC 60947-3
Mechanical durability	20000 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
Connection pitch	18 mm
Height	85 mm
Width	90 mm
Depth	62.5 mm
Net weight	0.5 kg



## Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	KEMA-KEUR[RETURN]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	9.5 cm
Package 1 Width	9.5 cm
Package 1 Length	9.5 cm
Package 1 Weight	600 g
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.21 kg
Unit Type of Package 3	P12
Number of Units in Package 3	144
Package 3 Height	50 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	102.872 kg

## 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
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End Of Life Information</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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