

Product Datasheet

Characteristic

28904

switch disconnecter, Compact INS80, 80A, 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-23A: 40 A AC 50/60 Hz 500 V AC-23A: 63 A AC 50/60 Hz 440/480 V 2 poles in series AC-22A: 80 A AC 50/60 Hz 220/240 V AC-22A: 80 A AC 50/60 Hz 380/415 V AC-22A: 80 A AC 50/60 Hz 440/480 V AC-22A: 80 A AC 50/60 Hz 500 V AC-23A: 72 A AC 50/60 Hz 380/415 V AC-23A: 80 A AC 50/60 Hz 220/240 V DC-22A: 80 A DC 50/60 Hz 125 V 2 poles in series DC-23A: 80 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	80 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	Plate DIN rail

Upside connection	Front
downside connection	Front
cable cross section	1.5...50 mm ²
Maximum power	AC-23: 22 kW at 500/525 V AC 50/60 Hz AC-23: 22 kW at 220/240 V AC 50/60 Hz AC-23: 37 kW at 380/415 V AC 50/60 Hz AC-23: 37 kW at 440 V AC 50/60 Hz
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
enclosure dimensions for lthe	190 mm x 115 mm x 55 mm
[Icw] rated short-time withstand current	0.067 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 5.5 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 2 poles in series 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 50/60 Hz 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 60947-3 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 Height	9.300 cm
Package 1 Width	10.000 cm
Package 1 Length	10.000 cm
Package 1 Weight	600.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	18
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	11.200 kg
Unit Type of Package 3	P12
Number of Units in Package 3	144
Package 3 Height	50.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	103.160 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Free of Substances of Very High Concern above the threshold
REACH free of SVHC	Yes
EU RoHS Directive	Compliant
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	X
RoHS exemption information	Yes
Environmental Disclosure	ENVPEP1304025
Circularity Profile	ENVEOLI1304025
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins