

# Product data sheet

Specifications



switch disconnecter, Compact  
INS160 , 160 A, standard version  
with black rotary handle, 4 poles

28913

## Main

Range	ComPact
Product name	ComPacT INS
Product or component type	Switch disconnecter
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	AC-23A: 100 A AC 50/60 Hz 500 V 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 500 V AC-22A: 160 A AC 50/60 Hz 660/690 V AC-23A: 100 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 DC-22A: 160 A DC 125 V 2 poles in series DC-23A: 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 250 V 4 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	160 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	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	Rotary handle
Handle colour	Black
Mounting mode	Fixed

<b>Mounting support</b>	Plate DIN rail
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Maximum power</b>	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: 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 660/690 V AC 50/60 Hz
<b>Rated duty</b>	Uninterrupted
<b>Intermittent duty class</b>	Class 120 - 60 %
<b>Enclosure dimensions for lthe</b>	260 mm x 160 mm x 55 mm
<b>[Icw] rated short-time withstand current</b>	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
<b>Mechanical durability</b>	15000 cycles
<b>Electrical durability</b>	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 4 poles in series DC-23A: 1500 cycles 250 V DC 4 poles in series AC-22A: 1500 cycles 690 V AC 50/60 Hz AC-23A: 1500 cycles 690 V AC 50/60 Hz
<b>Connection pitch</b>	30 mm
<b>Height</b>	100 mm
<b>Width</b>	135 mm
<b>Depth</b>	62.5 mm
<b>Net weight</b>	0.9 kg

## Environment

<b>Standards</b>	IEC 60947-1 IEC 60947-3
<b>Product certifications</b>	CCC KEMA-KEUR
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to EN 50102
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	2 cm
<b>Package 1 Width</b>	10 cm
<b>Package 1 Length</b>	10 cm
<b>Package 1 Weight</b>	200 g
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	20

Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	23.42 kg
Unit Type of Package 3	P12
Number of Units in Package 3	80
Package 3 Height	50 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	106.824 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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## Recommended replacement(s)