

# Product data sheet

Specifications



switch disconnecter, Compact INV100, visible break, 100 A, standard version with black rotary handle, 4 poles

31161

## Main

<b>Range</b>	ComPact
<b>Product name</b>	Compact INV
<b>Product or component type</b>	Switch disconnecter
<b>Poles description</b>	4P
<b>Network type</b>	AC DC
<b>Network frequency</b>	50/60 Hz
<b>Handle colour</b>	Black
<b>[Ie] rated operational current</b>	AC-21A: 100 A AC 50/60 Hz 220/240 V AC-21A: 100 A AC 50/60 Hz 380/415 V AC-21A: 100 A AC 50/60 Hz 440/480 V AC-21A: 100 A AC 50/60 Hz 480 V NEMA AC-21A: 100 A AC 50/60 Hz 500/525 V AC-21A: 100 A AC 50/60 Hz 660/690 V 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 480 V NEMA AC-22A: 100 A AC 50/60 Hz 500/525 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 480 V NEMA AC-23A: 100 A AC 50/60 Hz 500/525 V AC-23A: 100 A AC 50/60 Hz 660/690 V DC-21A: 100 A DC 125 V 2 poles in series DC-22A: 100 A DC 125 V 2 poles in series DC-23B: 100 A DC 125 V 2 poles in series DC-21A: 100 A DC 250 V 4 poles in series DC-22A: 100 A DC 250 V 4 poles in series DC-23B: 100 A DC 250 V 4 poles in series
<b>[Ui] rated insulation voltage</b>	750 V AC 50/60 Hz
<b>[Uimp] rated impulse withstand voltage</b>	8 kV
<b>[Ith] conventional free air thermal current</b>	100 A at 60 °C
<b>[Icm] rated short-circuit making capacity</b>	30 kA switch-disconnector alone 690 V AC at 50/60 Hz 330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz
<b>[Ue] rated operational voltage</b>	690 V AC 50/60 Hz 250 V DC
<b>Suitability for isolation</b>	Yes
<b>Contact position indicator</b>	Yes
<b>Visible break</b>	Yes

Pollution degree	3
------------------	---

## Complementary

Control type	Rotary handle
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23: 22 kW at 220/240 V AC 50/60 Hz AC-23: 22 kW at 230 V AC 50/60 Hz (NEMA) 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 480 V AC 50/60 Hz (NEMA) 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
[Icw] rated short-time withstand current	1.8 kA during 30 s conforming to IEC 60947-3 2.2 kA during 20 s conforming to IEC 60947-3 4.9 kA during 3 s conforming to IEC 60947-3 8.5 kA during 1 s conforming to IEC 60947-3
Mechanical durability	15000 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-22A: 1500 cycles 250 V DC DC-23A: 1500 cycles 250 V DC
Connection pitch	45 mm
Height	136 mm
Width	140 mm
Depth	96 mm
Net weight	2.2 kg

## Environment

Standards	IEC 60947-1 IEC 60947-3
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	-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	14.0 cm
Package 1 Width	17.2 cm
Package 1 Length	16.4 cm
Package 1 Weight	2.414 kg

Unit Type of Package 2	S04
Number of Units in Package 2	9
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	22.528 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
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
----------	-----------

## Recommended replacement(s)