

# Product data sheet

Specifications



switch disconnecter, Compact INV630, visible break, 630 A, standard version with black rotary handle, 4 poles

31175

## Main

Range	ComPact
Product name	Compact INV
Product or component type	Switch disconnecter
Poles description	4P
Network type	DC AC
Network frequency	50/60 Hz
Handle colour	Black
[Ie] rated operational current	AC-23A: 500 A AC 50/60 Hz 500/525 V AC-23A: 500 A AC 50/60 Hz 660/690 V AC-21A: 630 A AC 50/60 Hz 220/240 V AC-21A: 630 A AC 50/60 Hz 380/415 V AC-21A: 630 A AC 50/60 Hz 440/480 V AC-21A: 630 A AC 50/60 Hz 480 V NEMA AC-21A: 630 A AC 50/60 Hz 500/525 V AC-21A: 630 A AC 50/60 Hz 660/690 V AC-22A: 550 A AC 50/60 Hz 660/690 V AC-22A: 630 A AC 50/60 Hz 220/240 V AC-22A: 630 A AC 50/60 Hz 380/415 V AC-22A: 630 A AC 50/60 Hz 440/480 V AC-22A: 630 A AC 50/60 Hz 480 V NEMA AC-22A: 630 A AC 50/60 Hz 500/525 V AC-23A: 630 A AC 50/60 Hz 220/240 V AC-23A: 630 A AC 50/60 Hz 380/415 V AC-23A: 630 A AC 50/60 Hz 440/480 V AC-23A: 630 A AC 50/60 Hz 480 V NEMA AC-23B: 630 A AC 50/60 Hz 220/240 V AC-23B: 630 A AC 50/60 Hz 380/415 V AC-23B: 630 A AC 50/60 Hz 440/480 V AC-23B: 630 A AC 50/60 Hz 480 V NEMA AC-23B: 630 A AC 50/60 Hz 500/525 V AC-23B: 630 A AC 50/60 Hz 660/690 V DC-21A: 550 A DC 125 V 2 poles in series DC-22A: 550 A DC 125 V 2 poles in series DC-23A: 550 A DC 125 V 2 poles in series DC-23B: 630 A DC 125 V 2 poles in series DC-21A: 550 A DC 250 V 4 poles in series DC-22A: 550 A DC 250 V 4 poles in series DC-23A: 550 A DC 250 V 4 poles in series DC-23B: 630 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	630 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 690 V AC at 50/60 Hz 50 kA switch-disconnector alone 690 V AC at 50/60 Hz
[Ue] rated operational voltage	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
<b>Pollution degree</b>	3

## Complementary

<b>Control type</b>	Rotary handle
<b>Mounting mode</b>	Fixed
<b>Mounting support</b>	Plate Rail
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Maximum power</b>	AC-23: 200 kW at 220/240 V AC 50/60 Hz AC-23: 200 kW at 230 V AC 50/60 Hz (NEMA) AC-23: 315 kW at 380/415 V AC 50/60 Hz AC-23: 375 kW at 480 V AC 50/60 Hz (NEMA) AC-23: 400 kW at 440 V AC 50/60 Hz AC-23: 400 kW at 500/525 V AC 50/60 Hz AC-23: 560 kW at 660/690 V AC 50/60 Hz
<b>Rated duty</b>	Uninterrupted
<b>[Icw] rated short-time withstand current</b>	11.5 kA during 3 s conforming to IEC 60947-3 20 kA during 1 s conforming to IEC 60947-3 4 kA during 30 s conforming to IEC 60947-3 4.9 kA during 20 s conforming to IEC 60947-3
<b>Mechanical durability</b>	10000 cycles
<b>Electrical durability</b>	AC-21A: 1000 cycles 440 V AC 50/60 Hz AC-21A: 1000 cycles 500 V AC 50/60 Hz AC-21A: 1000 cycles 690 V AC 50/60 Hz AC-22A: 1000 cycles 440 V AC 50/60 Hz AC-22A: 1000 cycles 500 V AC 50/60 Hz AC-22A: 1000 cycles 690 V AC 50/60 Hz AC-23A: 1000 cycles 440 V AC 50/60 Hz AC-23A: 1000 cycles 500 V AC 50/60 Hz AC-23A: 1000 cycles 690 V AC 50/60 Hz DC-21A: 1000 cycles 250 V DC DC-22A: 1000 cycles 250 V DC DC-23A: 1000 cycles 250 V DC AC-23B: 200 cycles 500 V AC 50/60 Hz AC-23B: 200 cycles 690 V AC 50/60 Hz DC-23B: 200 cycles 250 V DC
<b>Connection pitch</b>	45 mm
<b>Height</b>	205 mm
<b>Width</b>	185 mm
<b>Depth</b>	130 mm
<b>Net weight</b>	4.9 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.7 cm
Package 1 Width	19.5 cm
Package 1 Length	23.2 cm
Package 1 Weight	5.53 kg
Unit Type of Package 2	S04
Number of Units in Package 2	4
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	22.87 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
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## Recommended replacement(s)