

# Product datasheet

Specifications



complete manual source  
changeover assembly, FXM630,  
Compact INS630 switch  
disconnectors, 630 A, 4 poles

Local distributor code: 382088148 31155

## Main

Range of product	INS320...630
Range	ComPact
Device short name	INS630
Product or component type	Changeover switch
Device application	Change source of supply
Range compatibility	Compact INS INS630 switch disconnector
Poles description	4P
Network type	DC AC
Network frequency	50/60 Hz
Mounting mode	Fixed
Upside connection	Front
Downside connection	Front
Suitability for isolation	Yes
Contact position indicator	Yes
[I <sub>cm</sub> ] 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

## Complementary

Transfer switch class	PC
Number of contact position	3
Control type	Direct front rotary handle
Mounting support	Rail Plate
Locking options description	Padlocking in OFF position
[I <sub>e</sub> ] rated operational current	AC-22A: 630 A AC 50/60 Hz 220/240 V AC-22A: 630 A AC 50/60 Hz 480 V NEMA AC-23A: 630 A AC 50/60 Hz 220/240 V AC-23A: 630 A AC 50/60 Hz 480 V NEMA 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-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

<b>[I<sub>th</sub>] conventional free air thermal current</b>	630 A at 60 °C
<b>Rated duty</b>	Uninterrupted
<b>Intermittent duty class</b>	Class 120 - 60 %
<b>[U<sub>i</sub>] rated insulation voltage</b>	750 V AC 50/60 Hz
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	8 kV
<b>[U<sub>e</sub>] rated operational voltage</b>	690 V AC 50/60 Hz conforming to IEC 60947-3 750 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC conforming to IEC 60947-3 250 V DC conforming to IEC 60947-3
<b>Mechanical interlocking</b>	With mechanical interlocking
<b>Mechanical durability</b>	10000 cycles
<b>Electrical durability</b>	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-23A: 1000 cycles 250 V DC 4 poles in series DC-23B: 200 cycles 250 V DC 4 poles in series
<b>Connection pitch</b>	45 mm
<b>[I<sub>cw</sub>] 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>Height</b>	205 mm
<b>Width</b>	395 mm
<b>Depth</b>	155 mm
<b>Net weight</b>	13.5 kg

## Environment

<b>Standards</b>	IEC 60947-3 IEC 60947-1
<b>Product certifications</b>	KEMA-KEUR CCC
<b>Electrical shock protection class</b>	Class II
<b>IP degree of protection</b>	IP40 conforming to IEC 60947-3
<b>Pollution degree</b>	3
<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 Weight</b>	14.596 kg
<b>Package 1 Height</b>	21.2 cm
<b>Package 1 width</b>	22 cm
<b>Package 1 Length</b>	49.4 cm
<b>Unit Type of Package 2</b>	S04
<b>Number of Units in Package 2</b>	1

Package 2 Weight	15.71 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 cm

## 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
RoHS exemption information	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
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
----------	-----------