

# 31174

## visible break switch-disconnector Compact INV630 - 630 A - 3 poles



### Main

Range	Compact
Product name	Compact INV
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
Handle colour	Black
[Ie] rated operational current	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-22A : 630 A AC 50/60 Hz 440/480 V AC-23B : 630 A AC 50/60 Hz 380/415 V AC-23B : 630 A AC 50/60 Hz 220/240 V DC-21A : 550 A DC 125 V 2 poles in series AC-23A : 500 A AC 50/60 Hz 660/690 V AC-22A : 630 A AC 50/60 Hz 220/240 V DC-22A : 550 A DC 125 V 2 poles in series AC-21A : 630 A AC 50/60 Hz 500/525 V AC-22A : 630 A AC 50/60 Hz 500/525 V AC-23B : 630 A AC 50/60 Hz 480 V NEMA AC-21A : 630 A AC 50/60 Hz 380/415 V AC-22A : 630 A AC 50/60 Hz 380/415 V AC-23B : 630 A AC 50/60 Hz 660/690 V AC-23A : 500 A AC 50/60 Hz 500/525 V DC-23A : 550 A DC 125 V 2 poles in series AC-22A : 630 A AC 50/60 Hz 480 V NEMA AC-21A : 630 A AC 50/60 Hz 480 V NEMA AC-21A : 630 A AC 50/60 Hz 220/240 V AC-22A : 550 A AC 50/60 Hz 660/690 V AC-21A : 630 A AC 50/60 Hz 660/690 V AC-23B : 630 A AC 50/60 Hz 440/480 V DC-23B : 630 A DC 125 V 2 poles in series AC-21A : 630 A AC 50/60 Hz 440/480 V AC-23B : 630 A AC 50/60 Hz 500/525 V
[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 ( 60 °C )
[Icm] rated short-circuit making capacity	330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker 50 kA 690 V AC 50/60 Hz switch-disconnector alone
[Ue] rated operational voltage	125 V DC 690 V AC 50/60 Hz
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	Yes
Pollution degree	3

### Complementary

Control type	Rotary handle
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front

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Maximum power	AC-23 : 200 kW 230 V NEMA AC 50/60 Hz AC-23 : 200 kW 220/240 V AC 50/60 Hz AC-23 : 315 kW 380/415 V AC 50/60 Hz AC-23 : 375 kW 480 V NEMA AC 50/60 Hz AC-23 : 400 kW 440 V AC 50/60 Hz AC-23 : 400 kW 500/525 V AC 50/60 Hz AC-23 : 560 kW 660/690 V AC 50/60 Hz
Rated duty	Uninterrupted
[I <sub>cw</sub> ] rated short-time withstand current	11.5 kA ( 3 s ) conforming to IEC 60947-3 20 kA ( 1 s ) conforming to IEC 60947-3 4 kA ( 30 s ) conforming to IEC 60947-3 4.9 kA ( 20 s ) conforming to IEC 60947-3
Mechanical durability	10000 cycles
Electrical durability	DC-23A : 1000 cycles 125 V DC DC-23B : 200 cycles 125 V DC 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 AC-23B : 200 cycles 500 V AC 50/60 Hz AC-23B : 200 cycles 690 V AC 50/60 Hz DC-21A : 1000 cycles 125 V DC DC-22A : 1000 cycles 125 V DC
Connection pitch	45 mm
Height	205 mm
Width	185 mm
Depth	130 mm
Product weight	4.6 kg

## Environment

standards	IEC 60947-1 IEC 60947-3
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