

# 31161

## visible break switch-disconnector Compact INV100 - 100 A - 4 poles



### Main

Range	Compact
Product name	INV100
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
Handle colour	Black
[Ie] rated operational current	DC-23B : 100 A DC 250 V 4 poles in series DC-23B : 100 A DC 125 V 2 poles in series DC-22A : 100 A DC 250 V 4 poles in series DC-22A : 100 A DC 125 V 2 poles in series DC-21A : 100 A DC 250 V 4 poles in series DC-21A : 100 A DC 125 V 2 poles in series AC-23A : 100 A AC 50/60 Hz 660/690 V AC-23A : 100 A AC 50/60 Hz 500/525 V AC-23A : 100 A AC 50/60 Hz 480 V NEMA AC-23A : 100 A AC 50/60 Hz 440/480 V AC-23A : 100 A AC 50/60 Hz 380/415 V AC-23A : 100 A AC 50/60 Hz 220/240 V AC-22A : 100 A AC 50/60 Hz 660/690 V AC-22A : 100 A AC 50/60 Hz 500/525 V AC-22A : 100 A AC 50/60 Hz 480 V NEMA AC-22A : 100 A AC 50/60 Hz 440/480 V AC-22A : 100 A AC 50/60 Hz 380/415 V AC-22A : 100 A AC 50/60 Hz 220/240 V AC-21A : 100 A AC 50/60 Hz 660/690 V AC-21A : 100 A AC 50/60 Hz 500/525 V AC-21A : 100 A AC 50/60 Hz 480 V NEMA AC-21A : 100 A AC 50/60 Hz 440/480 V AC-21A : 100 A AC 50/60 Hz 380/415 V AC-21A : 100 A AC 50/60 Hz 220/240 V
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	100 A ( 60 °C )
[Icm] rated short-circuit making capacity	330 kA 690 V AC 50/60 Hz with upstream protection circuit breaker 30 kA 690 V AC 50/60 Hz switch-disconnector alone
[Ue] rated operational voltage	690 V AC 50/60 Hz 250 V DC
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

Maximum power	AC-23 : 55 kW 660/690 V AC 50/60 Hz AC-23 : 55 kW 500/525 V AC 50/60 Hz AC-23 : 55 kW 480 V NEMA AC 50/60 Hz AC-23 : 55 kW 440 V AC 50/60 Hz AC-23 : 45 kW 380/415 V AC 50/60 Hz AC-23 : 22 kW 230 V NEMA AC 50/60 Hz AC-23 : 22 kW 220/240 V AC 50/60 Hz
Rated duty	Uninterrupted
[Icw] rated short-time withstand current	8.5 kA ( 1 s ) conforming to IEC 60947-3 4.9 kA ( 3 s ) conforming to IEC 60947-3 2.2 kA ( 20 s ) conforming to IEC 60947-3 1.8 kA ( 30 s ) conforming to IEC 60947-3
Mechanical durability	15000 cycles
Electrical durability	DC-23A : 1500 cycles 250 V DC DC-22A : 1500 cycles 250 V DC AC-23A : 1500 cycles 690 V AC 50/60 Hz AC-23A : 1500 cycles 500 V AC 50/60 Hz AC-23A : 1500 cycles 440 V AC 50/60 Hz AC-22A : 1500 cycles 690 V AC 50/60 Hz AC-22A : 1500 cycles 500 V AC 50/60 Hz AC-22A : 1500 cycles 440 V AC 50/60 Hz
Connection pitch	45 mm
Height	136 mm
Width	140 mm
Depth	96 mm
Product weight	2.2 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