



Main

Range	Compact
Product name	Compact INS
Product or component type	Switch disconnector
Poles description	3P
Network type	AC DC
Network frequency	50/60 Hz
[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 500/525 V AC-23A : 630 A AC 50/60 Hz 660/690 V AC-23A : 630 A AC 50/60 Hz 480 V NEMA AC-22A : 630 A AC 50/60 Hz 660/690 V AC-22A : 630 A AC 50/60 Hz 440/480 V AC-22A : 630 A AC 50/60 Hz 220/240 V AC-21A : 630 A AC 50/60 Hz 500/525 V AC-22A : 630 A AC 50/60 Hz 500/525 V AC-21A : 630 A AC 50/60 Hz 380/415 V DC-21A : 630 A DC 125 V 2 poles in series AC-22A : 630 A AC 50/60 Hz 380/415 V DC-22A : 630 A DC 125 V 2 poles in series AC-22A : 630 A AC 50/60 Hz 480 V NEMA DC-23A : 630 A DC 125 V 2 poles in series AC-21A : 630 A AC 50/60 Hz 480 V NEMA AC-21A : 630 A AC 50/60 Hz 220/240 V AC-21A : 630 A AC 50/60 Hz 660/690 V AC-21A : 630 A AC 50/60 Hz 440/480 V
[Ui] rated insulation voltage	1000 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	12 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 75 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	No
Pollution degree	3

Complementary

Control type	Direct front rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate Rail
Upside connection	Front
Downside connection	Front
Maximum power	AC-23 : 250 kW 220/240 V AC 50/60 Hz AC-23 : 710 kW 660/690 V AC 50/60 Hz AC-23 : 400 kW 380/400 V AC 50/60 Hz AC-23 : 560 kW 500/525 V AC 50/60 Hz AC-23 : 500 kW 415 V AC 50/60 Hz

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Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
[Icw] rated short-time withstand current	10 kA (20 s) conforming to IEC 60947-3 20 kA (3 s) conforming to IEC 60947-3 35 kA (1 s) conforming to IEC 60947-3 42 kA (0.8 s) conforming to IEC 60947-3 50 kA (0.5 s) conforming to IEC 60947-3 8 kA (30 s) conforming to IEC 60947-3
Mechanical durability	5000 cycles
Electrical durability	AC-23A : 1000 cycles 440/480 V AC 50/60 Hz DC-23A : 1000 cycles 125 V DC 2 poles in series AC-21A : 1000 cycles 220/240 V AC 50/60 Hz AC-21A : 1000 cycles 380/415 V AC 50/60 Hz AC-21A : 1000 cycles 440/480 V AC 50/60 Hz AC-21A : 1000 cycles 480 V AC 50/60 Hz conforming to NEMA AC-21A : 1000 cycles 500/525 V AC 50/60 Hz AC-21A : 1000 cycles 660/690 V AC 50/60 Hz AC-22A : 1000 cycles 220/240 V AC 50/60 Hz AC-22A : 1000 cycles 380/415 V AC 50/60 Hz AC-22A : 1000 cycles 440/480 V AC 50/60 Hz AC-22A : 1000 cycles 480 V AC 50/60 Hz conforming to NEMA AC-22A : 1000 cycles 500/525 V AC 50/60 Hz AC-22A : 1000 cycles 660/690 V AC 50/60 Hz AC-23A : 1000 cycles 220/240 V AC 50/60 Hz AC-23A : 1000 cycles 380/415 V AC 50/60 Hz AC-23A : 1000 cycles 480 V AC 50/60 Hz conforming to NEMA AC-23A : 1000 cycles 500/525 V AC 50/60 Hz AC-23A : 1000 cycles 660/690 V AC 50/60 Hz DC-21A : 1000 cycles 125 V DC 2 poles in series DC-22A : 1000 cycles 125 V DC 2 poles in series
Connection pitch	70 mm
Height	300 mm
Width	340 mm
Depth	146.5 mm
Product weight	14 kg

Environment

standards	IEC 60947-1 IEC 60947-3
product certifications	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