



Main

Range	Compact
Range of product	INS40...160
Product name	Compact INS
Product or component type	Switch disconnector
Device short name	Compact INS80
Switch-disconnector name	Compact INS80
Poles description	3P
Network type	DC AC
Network frequency	50/60 Hz
[Ie] rated operational current	80 A AC 50/60 Hz for 220/240 V in category AC-22A 80 A AC 50/60 Hz for 380/415 V in category AC-22A 80 A AC 50/60 Hz for 440/480 V in category AC-22A 80 A AC 50/60 Hz for 500 V in category AC-22A 40 A AC 50/60 Hz for 500 V in category AC-23A 63 A AC 50/60 Hz for 440/480 V in category AC-23A 72 A AC 50/60 Hz for 380/415 V in category AC-23A 80 A AC 50/60 Hz for 220/240 V in category AC-23A 80 A DC for 125 V in category DC-22A (2 poles in series) 80 A DC for 125 V in category DC-23A (2 poles in series)
[Ui] rated insulation voltage	690 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	80 A (60 °C)
[Icm] rated short-circuit making capacity	15 kA 500 V AC 50/60 Hz switch-disconnector alone 75 kA 500 V AC 50/60 Hz with upstream protection circuit breaker
[Ue] rated operational voltage	125 V DC 500 V AC 50/60 Hz
Suitability for isolation	Yes
Contact position indicator	Yes
Visible break	No
Pollution degree	3

Complementary

Control type	Rotary handle
--------------	---------------

28904

Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate DIN rail
Upside connection	Front
Downside connection	Front
Cable cross section	1.5...50 mm ²
Maximum power	22 kW AC 50/60 Hz for 220/240 V in category AC-23 22 kW AC 50/60 Hz for 500/525 V in category AC-23 37 kW AC 50/60 Hz for 380/415 V in category AC-23 37 kW AC 50/60 Hz for 440 V in category AC-23
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
Enclosure dimensions for lthe	190 mm x 115 mm x 55 mm
[I _{cw}] rated short-time withstand current	0.067 kA (20 s) conforming to IEC 60947-3 1.73 kA (3 s) conforming to IEC 60947-3 3 kA (1 s) conforming to IEC 60947-3 5.5 kA (30 s) conforming to IEC 60947-3
Mechanical durability	20000 cycles
Electrical durability	1500 cycles for 220/240 V AC 50/60 Hz in category AC-22A 1500 cycles for 380/415 V AC 50/60 Hz in category AC-22A 1500 cycles for 440 V AC 50/60 Hz in category AC-22A 1500 cycles for 500 V AC 50/60 Hz in category AC-22A 1500 cycles for 220/240 V AC 50/60 Hz in category AC-23A 1500 cycles for 380/415 V AC 50/60 Hz in category AC-23A 1500 cycles for 440 V AC 50/60 Hz in category AC-23A 1500 cycles for 500 V AC 50/60 Hz in category AC-23A 1500 cycles for 250 V DC in category DC-22A (2 poles in series) 1500 cycles for 250 V DC in category DC-23A (2 poles in series)
Connection pitch	18 mm
Height	85 mm
Width	90 mm
Depth	62.5 mm
Product weight	0.5 kg
Compatibility code	INS80

Environment

Standards	IEC 60947-3 IEC 60947-1
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

Contractual warranty

Warranty period	18 months
-----------------	-----------