



Main

Range	Compact
Product name	Compact INS
Product or component type	Switch disconnector
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	80 A AC 50/60 Hz 220/240 V in category AC-22A 80 A AC 50/60 Hz 380/415 V in category AC-22A 80 A AC 50/60 Hz 440/480 V in category AC-22A 80 A AC 50/60 Hz 500 V in category AC-22A 40 A AC 50/60 Hz 500 V in category AC-23A 63 A AC 50/60 Hz 440/480 V in category AC-23A 72 A AC 50/60 Hz 380/415 V in category AC-23A 80 A AC 50/60 Hz 220/240 V in category AC-23A 80 A DC 125 V in category DC-22A (2 poles in series) 80 A DC 250 V in category DC-22A (4 poles in series) 80 A DC 125 V in category DC-23A (2 poles in series) 80 A DC 250 V in category DC-23A (4 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 (140 °F (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
System Voltage	250 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
Handle colour	Black
Mounting mode	Fixed
Mounting support	Plate DIN rail
Upside connection	Front
Downside connection	Front
Cable cross section	0...0.08 in ² (1.5...50 mm ²)
Maximum power	22 kW AC 50/60 Hz 500/525 V in category AC-23 22 kW AC 50/60 Hz 220/240 V in category AC-23 37 kW AC 50/60 Hz 380/415 V in category AC-23 37 kW AC 50/60 Hz 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
[Icw] 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 220/240 V AC 50/60 Hz in category AC-22A 1500 cycles 380/415 V AC 50/60 Hz in category AC-22A 1500 cycles 440 V AC 50/60 Hz in category AC-22A 1500 cycles 500 V AC 50/60 Hz in category AC-22A 1500 cycles 220/240 V AC 50/60 Hz in category AC-23A 1500 cycles 380/415 V AC 50/60 Hz in category AC-23A 1500 cycles 440 V AC 50/60 Hz in category AC-23A 1500 cycles 500 V AC 50/60 Hz in category AC-23A 1500 cycles 250 V DC in category DC-22A (4 poles in series) 1500 cycles 250 V DC in category DC-23A (4 poles in series)
Connection pitch	0.71 in (18 mm)
Height	3.35 in (85 mm)
Width	3.54 in (90 mm)
Depth	2.46 in (62.5 mm)
Product weight	1.32 lb(US) (0.6 kg)

Environment

Standards	IEC 60947-1 IEC 60947-3
Product certifications	KEMA-KEUR CCC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Ambient air temperature for storage	-58...185 °F (-50...85 °C)

Ordering and shipping details

Category	01096 - COMPACT C UL/IEC CIRCUIT BREAKER ACCESSORIES
Discount Schedule	DE2
GTIN	00785901551522
Nbr. of units in pkg.	1
Package weight(Lbs)	2.6000000000000001
Returnability	N
Country of origin	IT

Contractual warranty

Warranty period	18 months
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