Product data sheet
Characteristics

28911
switch-disconnector Compact INS125 - 4 poles - 125 A



Main

Range	Compact
Poles description	4P
Network type	AC DC
Network frequency	50/60 Hz
[Ie] rated operational current	125 A AC 50/60 Hz for 220/240 V in catagory AC-22A 125 A AC 50/60 Hz for 380/415 V in catagory AC-22A 125 A AC 50/60 Hz for 440/480 V in catagory AC-22A 125 A AC 50/60 Hz for 500 V in catagory AC-22A 125 A AC 50/60 Hz for 660/690 V in catagory AC-22A 125 A AC 50/60 Hz for 220/240 V in catagory AC-23A 125 A AC 50/60 Hz for 380/415 V in catagory AC-23A 125 A AC 50/60 Hz for 440/480 V in catagory AC-23A 125 A AC 50/60 Hz for 500 V in catagory AC-23A 80 A AC 50/60 Hz for 660/690 V in catagory AC-23A 125 A DC for 125 V in catagory DC-22A (2 poles in series) 125 A DC for 125 V in catagory DC-23A (2 poles in series) 125 A DC for 250 V in catagory DC-22A (4 poles in series) 125 A DC for 250 V in catagory DC-23A (4 poles in series)
[Ui] rated insulation voltage	750 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ith] conventional free air thermal current	125 A (60 °C)
[Icm] rated short-circuit making capacity	154 kA 690 V AC 50/60 Hz with upstream protection circuit breaker 20 kA 690 V AC 50/60 Hz switch-disconnector alone
[Ue] rated operational voltage	250 V DC 690 V AC 50/60 Hz
Suitability for isolation	Yes
Contact position indica-tor	Yes
Visible break	No
Pollution degree	3

Complementary

Control type	Rotary handle
Handle colour	Black
Mounting mode	Fixed
Mounting support	DIN rail Plate
Upside connection	Front
Downside connection	Front

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Maximum power	55 kW AC 50/60 Hz for 440 V in catagory AC-23 37 kW AC 50/60 Hz for 220/240 V in catagory AC-23 55 kW AC 50/60 Hz for 380/415 V in catagory AC-23 75 kW AC 50/60 Hz for 500/525 V in catagory AC-23 75 kW AC 50/60 Hz for 660/690 V in catagory AC-23
Rated duty	Uninterrupted
Intermittent duty class	Class 120 - 60 %
Enclosure dimensions for Ithe	260 mm x 160 mm x 55 mm
[Icw] rated short-time withstand current	0.01 kA (30 s) conforming to IEC 60947-3 1.23 kA (20 s) conforming to IEC 60947-3 3.175 kA (3 s) conforming to IEC 60947-3 5.5 kA (1 s) conforming to IEC 60947-3
Mechanical durability	15000 cycles
Electrical durability	1500 cycles for 220/240 V AC 50/60 Hz in catagory AC-22A 1500 cycles for 380/415 V AC 50/60 Hz in catagory AC-22A 1500 cycles for 440 V AC 50/60 Hz in catagory AC-22A 1500 cycles for 500 V AC 50/60 Hz in catagory AC-22A 1500 cycles for 220/240 V AC 50/60 Hz in catagory AC-23A 1500 cycles for 380/415 V AC 50/60 Hz in catagory AC-23A 1500 cycles for 440 V AC 50/60 Hz in catagory AC-23A 1500 cycles for 500 V AC 50/60 Hz in catagory AC-23A 1500 cycles for 250 V DC in catagory DC-22A (4 poles in series) 1500 cycles for 250 V DC in catagory DC-23A (4 poles in series) 1500 cycles for 690 V AC 50/60 Hz in catagory AC-22A 1500 cycles for 690 V AC 50/60 Hz in catagory AC-23A
Connection pitch	30 mm
Height	100 mm
Width	135 mm
Depth	62.5 mm
Product weight	0.9 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