PRODUCT-DETAILS

SZ203-B25

SZ203-B25 Miniature Circuit Breaker - 3P - B - 25 A

General Information

Extended Product Type	SZ203-B25
Product ID	2CDS253025R0255
EAN	4016779996464
Catalog Description	SZ203-B25 Miniature Circuit Breaker - 3P - B - 25 A
Long Description	SZ203-B25 Miniature Circuit Breaker B-Char., 6kA, 25A, 3P

Technical

Tripping Characteristic	B
Suitable for Isolation	Yes
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V Phase to Phase 440 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Input Voltage Type	AC
Rated Current (I_n)	25 A
Rated Short-Circuit Capacity (I_{cn})	(AC) 6 kA (230 V AC) 6 kA (400 V AC) 6 kA

Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA (400 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 6 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	at Rated Operating Conditions per Pole 3.2 W
Power Supply Connection	Arbitrary
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Electrical Endurance	20000 AC cycle 20000 cycle
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	III
Tightening Torque	2.8 N·m
Actuator Type	Toggle
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group I, RAL 7035
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Busbar 10 / 10 mm² Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Installation Size	acc. to DIN 43880 1
Wire Stripping Length	12.5 mm
Terminal Type	Screw Terminals

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 Enclosure with Cover IP40
Pollution Degree	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
RoHS Status	Following EU Directive 2011/65/EU

Dimensions

Width in Number of Modular Spacings	3

Product Net Width	52.5 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.345 kg
Pole Net Weight	0.125 kg
Built-In Depth (t_2)	69 mm

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	92 mm
Package Level 1 Height	80 mm
Package Level 1 Depth / Length	58 mm
Package Level 1 Gross Weight	0.395 kg
Package Level 1 EAN	4016779996709
Package Level 2 Units	36 piece
Package Level 2 Width	275 mm
Package Level 2 Height	210 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Gross Weight	13.36 kg
Package Level 2 EAN	4016779996907

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Country of Origin	Germany (DE)

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK107492A7641
I^2t Characteristic	9AKK107992A5102
Instructions and Manuals	2CDS207104P0001
RoHS Information	9AKK107492A7656

Popular Downloads

Data Sheet, Technical Information	No document needed
Instructions and Manuals	2CDS207104P0001
Dimension Diagram	2CDC022007F0010
I^2t Characteristic	9AKK107992A5102

Classifications

ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B	Business To Consumer
CN8	8536 20 10
UNSPSC	39121614
eClass	V11.0 : 27141901

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs