

PRODUCT-DETAILS

SZ203-B50

Miniature Circuit Breakers MCBs - SZ200 - 3P - B - 50 ampere



General Information

Extended Product Type	SZ203-B50
Product ID	2CDS253025R0505
EAN	4016779996525
Catalog Description	Miniature Circuit Breakers MCBs - SZ200 - 3P - B - 50 ampere
Long Description	SZ203-B50 Miniature Circuit Breaker B-Char., 6kA, 50A, 3P

Technical

Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	B
Rated Current (I_n)	50 A
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC
Power Loss	at Rated Operating Conditions per Pole 3.25 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V Phase to Phase 440 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC
Rated Frequency (f)	50 Hz 60 Hz
Energy Limiting Class	3
Overvoltage Category	III
Pollution Degree	2

Rated Impulse	4 kV
Withstand Voltage (U _{imp})	(6.2 kV @ sea level) (5.0 kV @ 2000 m)
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Housing Material	Insulation Group I, RAL 7035
Actuator Type	Toggle
Actuator Material	Insulation Group II, Black, Sealable
Actuator Marking	I / O
Contact Position Indication	ON / OFF
Degree of Protection	IP20
Remarks	IP40 in enclosure with cover
Electrical Endurance	10000 AC cycle 20000 cycle
Terminal Type	Screw Terminals
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ²
Tightening Torque	2.8 N·m
Recommended Screw Driver	Pozidriv 2
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any
Built-In Depth (t ₂)	69 mm
Installation Size	acc. to DIN 43880 1
Power Supply Connection	Arbitrary
Suitable for Isolation	Yes

Environmental

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

Dimensions

Product Net Width	52.5 mm
Product Net Depth / Length	69 mm
Product Net Height	85 mm
Product Net Weight	0.345 kg

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	92 mm

Package Level 1 Depth / Length	58 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	0.395 kg
Package Level 1 EAN	4016779996730
Package Level 2 Units	36 piece
Package Level 2 Width	275 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Height	210 mm
Package Level 2 Gross Weight	13.36 kg
Package Level 2 EAN	4016779996938

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK107492A7641
Instructions and Manuals	2CDS207104P0001
RoHS Information	9AKK107492A7656

Popular Downloads

Instructions and Manuals	2CDS207104P0001
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Classifications

ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
eClass	V11.0 : 27141901
UNSPSC	39121614

Categories

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

