ABB

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PRODUCT-DETAILS

SB201M-C10

SB201M-C10 Miniature Circuit Breaker - 1P - C - 10 A

General Information

Extended Product Type	SB201M-C10
Product ID	1SYS271012R0104
Catalog Description	SB201M-C10 Miniature Circuit Breaker - 1P - C - 10 A
Long Description	System pro M compact SB200M Miniature Circuit Breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in different characteristics (B,C,D), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 10 kA at 240/415 V AC) and rated currents (up to 63A). All MCBs of the product range SB200M comply with IS/IEC 60898-1, allowing the use for residential, commercial and industrial applications.

Technical

Standards	IS/IEC 60898-1
Tripping Characteristic	C
Rated Voltage (U_r)	240 / 415 V
Operational Voltage	Maximum 264 V AC Maximum 60 V DC
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Rated Current (I_n)	10 A

Rated Operational Current (I_e)	10 A
Rated Short-Circuit Capacity	10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	7.5 kA
Frequency (f)	50 Hz
Rated Frequency (f)	50 Hz
Energy Limiting Class	3
Electrical Endurance	20000AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	1
Number of Poles	1
Overvoltage Category	III
Tightening Torque	2 N·m
Actuator Type	Toggle
Screw Terminal Type	Cage Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group II, RAL 7035
Mounting Position	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Remarks	IP40 in enclosure with cover
Connecting Capacity	rigid: 25 mm² ; flexible: 16 mm²

Material Compliance

RoHS Information	1SYM100001D1015
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	43546
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Conditions	28 cycle 55°C @ 90-96% 25°C @ 95-100%
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g 5 … 150 Hz 20 Cycles with Load 0.8 In: 6g 35 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shock / 13 ms

Dimensions

Product Net Width	17.5 mm
Product Net Height	85 mm
Product Net Depth /	69 mm

Length

Product Net Weight	0.12 kg
Built-In Depth (t$_2$)	69 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.125 kg

Certificates and Declarations

Declaration of Conformity - CE	9AKK107492A2248

Installation

Instructions and Manuals	No document needed

Popular Downloads

Data Sheet, Technical Information	No document needed

Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	Product Not in WEEE Scope
eClass	V11.0 : 27141901
Object Classification Code	F

Categories

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

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