



PRODUCT-DETAILS

# SB201-C50DC

## Miniature Circuit Breaker - 1P - C - 50 A



General Information	
Extended Product Type	SB201-C50DC
Product ID	1SYS251067R0504
Catalog Description	Miniature Circuit Breaker - 1P - C - 50 A
Long Description	System pro M compact SB200 DC 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 C-characteristics, different configurations (1P, 2P), breaking capacities (up to 6 kA at 240/415 V AC) and rated currents (up to 63A). All MCBs of the product range SB200 DC comply with IS/IEC 60947-2, allowing the use for residential, commercial and industrial applications.

Technical	
Standards	IS/IEC 60947-2
Tripping Characteristic	C
Rated Voltage (U <sub>r</sub> )	250 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV
Rated Current (I <sub>n</sub> )	50 A

Rated Operational Current (I <sub>e</sub> )	50 A
Rated Short-Circuit Capacity	6 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	6000 kA
Power Supply Connection	Please Note Polarity of Device
Electrical Endurance	1000DC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	1
Number of Poles	1
Tightening Torque	2 N·m
Actuator Type	Toggle
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group I, RAL 7035
Mounting Position	Any
Recommended Screw Driver	Pozidriv 2
Remarks	IP40 in enclosure with cover
Connecting Capacity	rigid: 25 mm² ; flexible: 16 mm²

Material Compliance

RoHS Information	1SYM100001D1018
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	55 °C
Degree of Protection	IP20
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 ... 5 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 / Length	69 mm
Product Net Weight	0.125 kg

Built-In Depth (t <sub>2</sub> )	69 mm
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Ordering

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

Certificates and Declarations

Declaration of Conformity - CE	9AKK107492A3487
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Installation

Instructions and Manuals	No document needed
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Popular Downloads

Data Sheet, Technical Information	No document needed
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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

