



PRODUCT-DETAILS

# SB202-C4DC

## Miniature Circuit Breaker - SB200 DC - 2P - 4 A - C



### General Information

Extended Product Type	SB202-C4DC
Product ID	1SYS252067R0044
Catalog Description	Miniature Circuit Breaker - SB200 DC - 2P - 4 A - C
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.

### ABB EcoSolutions

ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 91.69 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Sustainable Material Content in Packaging	FSC 100% Paper - 43.11 % FSC 100% Paper - 30.23 %

(wt. %)	FSC Mix Paper - 23.68 % 0 % 0 %
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	1SYM100001D1196
Environmental Product Declaration - EPD	9AKK108469A9162

## Technical

Rated Operational Current ( $I_e$ )	4 A
Rated Service Short-Circuit Breaking Capacity ( $I_{cs}$ )	6000 kA
Power Supply Connection	Please Note Polarity of Device
Electrical Endurance	1000DC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	2
Number of Poles	2P
Tightening Torque	2 N·m
Actuator Type	Toggle
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Recommended Screw Driver	Pozidriv 2
Remarks	IP40 in enclosure with cover
Connecting Capacity	rigid: 25 mm <sup>2</sup> ; flexible: 16 mm <sup>2</sup>

## Electrical

Tripping Characteristic	C
Rated Voltage ( $U_r$ )	500 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	4 kV
Rated Current ( $I_n$ )	4 A
Rated Short-Circuit Capacity	6 kA

## Design

Housing Material	Insulation Group I, RAL 7035
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## Material Compliance

RoHS Information	1SYM100001D1018
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	43546

Conflict Minerals  
Reporting Template  
(CMRT)

9AKK108468A3363

WEEE Category

Product Not in WEEE Scope

### Environmental

Ambient Air Temperature	Operation -25 ... +55 °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	35 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.25 kg
Built-In Depth (t <sub>2</sub> )	69 mm

### Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.25 kg

### Certificates and Declarations

Declaration of Conformity - CE	9AKK107492A3487
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### Installation

Instructions and Manuals	No document needed
Mounting Position	Any

### Popular Downloads

Data Sheet, Technical Information	No document needed
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### External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
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eClass

V11.0 : 27141901

Object Classification

F

Code

Standards

IS/IEC 60947-2

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## Categories

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Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → SB200 DC

Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)

