



PRODUCT-DETAILS

SB202M-B16

Miniature Circuit Breaker - SB200M - 2P - 16 A - B



General Information	
Extended Product Type	SB202M-B16
Product ID	1SYS272012R0165
Catalog Description	Miniature Circuit Breaker - SB200M - 2P - 16 A - B
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.

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 (wt. %)	FSC 100% Paper - 43.11 % FSC 100% Paper - 30.23 % 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)	16 A
Rated Service Short-Circuit Breaking Capacity (I _{cs})	7.5 kA
Energy Limiting Class	3
Electrical Endurance	20000AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	2
Number of Poles	2P
Tightening Torque	2 N·m
Actuator Type	Toggle
Screw Terminal Type	Cage Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Remarks	IP40 in enclosure with cover
Connecting Capacity	rigid: 25 mm ² : flexible: 16 mm ²

Electrical

Tripping Characteristic	B
Rated Voltage (U _r)	415 V
Operational Voltage	Maximum 264 V AC Maximum 60 V DC
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Rated Current (I _n)	16 A
Rated Short-Circuit Capacity	10 kA
Rated Frequency (f)	50 Hz
Overvoltage Category	III

Design

Housing Material	Insulation Group II, RAL 7035
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Material Compliance

RoHS Information	1SYM100001D1015
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	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	35 mm	
Product Net Height	85 mm	
Product Net Depth / Length	69 mm	
Product Net Weight	0.23 kg	
Built-In Depth (t ₂)	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	9AKK107492A2248	

Installation		
Instructions and Manuals	No document needed	
Mounting Position	Any	

Popular Downloads		
Data Sheet, Technical Information	No document needed	

External Classifications and Standards		
ETIM 9	EC000042 - Miniature circuit breaker (MCB)	
eClass	V11.0 : 27141901	
Object Classification Code	F	
Standards	IS/IEC 60898-1	

Categories

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



The ABB Eco Solutions logo. It features a red horizontal bar above the text "ABB" in a sans-serif font. Below "ABB" is the word "Eco" in a large, bold, sans-serif font, and "Solutions™" in a smaller, bold, sans-serif font below it.