



PRODUCT-DETAILS

SB204M-D20

Miniature Circuit Breaker - SB200M - 4P - 20 A - D



General Information	
Extended Product Type	SB204M-D20
Product ID	1SYS274012R0201
Catalog Description	Miniature Circuit Breaker - SB200M - 4P - 20 A - D
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	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)	20 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	4
Number of Poles	4P
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	D
Rated Voltage (U _r)	415 V
Operational Voltage	Maximum 457 V AC Maximum 120 V DC
Rated Impulse Withstand Voltage (U _{imp})	4 kV
Rated Current (I _n)	20 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	70 mm
Product Net Height	85 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.47 kg
Built-In Depth (t ₂)	69 mm

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.5 kg

Certificates and Declarations	
Declaration of Conformity - CE	9AKK107492A2248

Installation	
Instructions and Manuals	No document needed
Mounting Position	Any

Popular Downloads	
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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

