PRODUCT-DETAILS

S202CM-B20

S202CM-B20 Miniature circuit breaker - 2P - B - 20 A



General Information

Extended Product Type	S202CM-B20
Product ID	2CDS272280R0205
EAN	4053546039542
Catalog Description	S202CM-B20 Miniature circuit breaker - 2P - B - 20 A
Long Description	The S202C series miniature circuit breaker is a 2P device in 1 module for the protection of circuits against overload and short circuit.

ABB EcoSolutions

ABB EcoSolutions	Yes

Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 84 %
End of Life Instructions	9AKK108468A3913

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Eco Transparency

Environmental Product Declaration - EPD	9AKK108467A5789

Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	B
Rated Operational Voltage	acc. to IEC 60898-1 240 V
Operational Voltage	Maximum (Incl. Tolerance) 264 V AC Maximum 264 V AC Minimum 12 V AC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2.5 kV
Input Voltage Type	AC
Rated Current (I_n)	20 A
Rated Short-Circuit Capacity	(230 V) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V) 10 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA
Rated Frequency (f)	50/60 Hz
Power Loss	5 W
Power Supply Connection	Arbitrary
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	2
Number of Poles	2
Overvoltage Category	III
Tightening Torque	3 N·m
Actuator Marking	I / O
Housing Material	Insulation Group I, RAL 7035
Options Provided	G2C accessories
Mounting on DIN Rail	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any
Accessories Available	Yes
Connecting Capacity	Flexible 1 … 10 mm² Rigid 1 … 16 mm²
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

Material Compliance

RoHS Information	9AKK107492A9802
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20191001
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

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Environmental

Ambient Air Temperature	Operation -25 … 55 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20
Pollution Degree	2
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g or 0.35mm 5 … 150 … 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	40g / 18 shocks / 5 ms

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	18 mm
Product Net Height	86 mm
Product Net Depth / Length	70 mm
Product Net Weight	0.16 kg
Built-In Depth (t_2)	70 mm

Ordering

Package Level 1 Units	carton 12 piece
Package Level 1 Gross Weight	1.97 kg

Certificates and Declarations

Certification Agency	EN IEC
Declaration of Conformity - CE	9AKK107492A9802

Installation

Instructions and Manuals	No document needed

Popular Downloads

Data Sheet, Technical Information	9AKK107492A9936

Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	8536 20 10
UNSPSC	39121614
eClass	V7.0 : 27141901

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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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