PRODUCT-DETAILS

SN201 M-B20

Miniature circuit breaker - 1+NP - B - 20 A



General Information

Extended Product Type	SN201 M-B20
Product ID	2CSS275101R0205
EAN	8012542093459
Catalog Description	Miniature circuit breaker - 1+NP - B - 20 A
Long Description	The SN201 series miniature circuit breaker is a 1P+N device in 1 module for the protection of circuits against overload and short circuit. Neutral is on the right

ABB EcoSolutions

ABB EcoSolutions	Yes
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 90.63 %
Sustainable Material Content in Packaging	Recycled Paper - 00 % Recycled Cardboard - 79 %
Offered with Extended Lifetime	Product Durability
End of Life Instructions	9AKK108469A7476
Environmental Product	9AKK108469A9820

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Subject to change without notice

Declaration - EPD

Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	B
Rated Voltage (U_r)	230 V AC
Rated Operational Voltage	acc. to IEC 60898-1 230 V
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 500 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV
Dielectric Test Voltage	2 kV
Primary Rated Impulse Withstand Voltage	4 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 Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 7.5 kA
Rated Frequency (f)	50/60 Hz
Power Loss	4.8 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	1
Number of Poles	1+N
Number of Modular Spacings per DIN Rail	1
Overvoltage Category	III
Position of Neutral Terminals	Right
Tightening Torque	1.2 N·m
Accessory Type	Auxiliary contact Signal contact / auxiliary contact Shunt trip Undervoltage release
Actuator Type	Toggle - Insulation group IIIA, black, sealable in ON-OFF positions
Housing Type	Insulation group II, RAL 7035
Screw Terminal Type	Cage Terminal
Mounting Position	Any
Accessories Available	Yes
Connecting Capacity	Flexible 1 … 10 mm² Rigid 1 … 16 mm²
Wire Stripping Length	11 mm
Terminal Type	Screw Terminals

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Material Compliance

RoHS Information	9AKK106713A5572
RoHS Status	Following EU Directive 2011/65/EU
RoHS Date	20190722
REACH Information	No data - If REACH inform is not yet available for a certain product
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Temperature	-25...55 °C
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	30g 2 shocks 13 ms
Environmental Information	refer to RoHS information

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	0.018 m
Product Net Height	0.085 m
Product Net Depth / Length	0.069 m
Product Net Weight	0.110 kg
Built-In Depth (t_2)	69 mm

Ordering

Package Level 1 Units	box 6 piece
Package Level 1 Gross Weight	0.684 kg
E-Number (Norway)	1630676

Certificates and Declarations

Declaration of Conformity - CE	9AKK106713A5572

Installation

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Instructions and Manuals	No document needed

Popular Downloads

Data Sheet, Technical Information	2CSC400002D0209

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	85362010
eClass	V11.0 : 27141901
Object Classification Code	F

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CSS200924R0001	Signal Contact	SN201-S	1	piece
2CSS200923R0001	Interface module with auxiliary contact	SN201-IH	1	piece
2CDS200922R0001	Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	Auxiliary Contact	S2C-H6R	1	piece
2CSS200933R0011	Shunt trip	F2C-A1	1	piece
2CSS200933R0012	Shunt trip	F2C-A2	1	piece
2CSS200911R0001	Undervoltage Release	S2C-UA 12 DC	1	piece
2CSS200911R0002	Undervoltage Release	S2C-UA 24 AC	1	piece
2CSS200911R0003	Undervoltage Release	S2C-UA 48 AC	1	piece
2CSS200911R0004	Undervoltage Release	S2C-UA 110 AC	1	piece
2CSS200911R0005	Undervoltage Release	S2C-UA 230 AC	1	piece
2CSS200911R0006	Undervoltage Release	S2C-UA 400 AC	1	piece
2CSS200911R0007	Undervoltage Release	S2C-UA 24 DC	1	piece
2CSS200911R0008	Undervoltage Release	S2C-UA 48 DC	1	piece
2CSS200911R0009	Undervoltage Release	S2C-UA 110 DC	1	piece
2CSS200911R0010	Undervoltage Release	S2C-UA 230 DC	1	piece

Categories

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







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