



 PRODUCT-DETAILS

SN201-B20

Miniature circuit breaker - SN201 - 1P+N - 20 A
- B - (230 V) 6 kA



General Information

Extended Product Type:	SN201-B20
Product ID:	2CSS255101R0205
EAN:	8012542091059
Catalog Description:	Miniature circuit breaker - SN201 - 1P+N - 20 A - B - (230 V) 6 kA
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
Display Name:	SN201-B20

ABB EcoSolutions

ABB EcoSolutions:	Yes
EcoSolutions Profile:	9AKK108471A1004
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 90.63 %
Sustainable Material Content in Packaging (wt. %):	Recycled Paper - 00 % Recycled Cardboard - 79 %

Extended Product Lifetime:	Product Durability
End Of Life Disassembling Instructions:	9AKK108469A7476
Environmental Product Declaration - EPD:	9AKK108469A9820

Technical

Dielectric Test Voltage:	50 / 60 Hz - 1 min 2 kV
Primary Rated Impulse Withstand Voltage:	4 kV
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230 V AC) 6 kA
Power Supply Connection:	Arbitrary
Contact Position Indication:	ON / OFF
Energy Limiting Class:	3
Electrical Endurance:	10000 cycle
Mechanical Endurance:	20000 cycle
Number of Protected Poles:	1
Number of Poles:	1P+N
Number of Modular Spacings per DIN Rail:	1
Position of Neutral Terminals:	Right
Tightening Torque:	1.2 N·m
Actuator Type:	Toggle
Screw Terminal Type:	Cage Terminal
Accessories Available:	Yes
Connecting Capacity:	Flexible 1 ... 10 mm ² Rigid 1 ... 16 mm ²
Wire Stripping Length:	11 mm
Terminal Type:	Screw Terminals

Electrical

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
Input Voltage Type:	AC
Rated Current (I_n):	20 A
Rated Short-Circuit Capacity:	(230 V) 6 kA
Rated Frequency (f):	50 / 60 Hz
Power Loss:	Total 4.8 W
Overvoltage Category:	III

Design

Housing Material: Insulation group II, RAL 7035

Material Compliance

RoHS Declaration: 9AKK106713A5572

RoHS Information: 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

SCIP: 998b33ca-38b6-4cbe-8189-743df444d09c Italy

WEEE Category: 5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B: Business To Consumer

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: 30g 2 shocks 13 ms

Environmental Information: refer to RoHS information

Dimensions

Width in Number of Modular Spacings: 1

Product Net Width: 18 mm

Product Net Height: 85 mm

Product Net Depth / Length: 69 mm

Product Net Weight: 110 g

Built-In Depth (t₂): 69 mm

Ordering

Package Level 1 Units: box 6 piece

Package Level 1 Gross Weight:	0.684 kg
E-Number (Finland):	3217763
E-Number (Norway):	1630646

Certificates and Declarations

Declaration of Conformity - CE:	9AKK106713A5572
---------------------------------	-----------------

Installation

Instructions and Manuals:	No document needed
Mounting Position:	Any

External Classifications and Standards

ETIM 9:	EC000042 - Miniature circuit breaker (MCB)
ETIM 10:	EC000042 - Miniature circuit breaker (MCB)
UNSPSC:	39121603
eClass:	V11.0 : 27141901
Object Classification Code:	F
Standards:	IEC/EN 60898-1

Accessories

Identifier	Description	Qty	Type	Unit Of Measure
2CSS200924R0001	SN201-S Signal contact	1	SN201-S	piece
2CSS200923R0001	SN201-IH Interface module with auxiliary contact	1	SN201-IH	piece
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	1	S2C-S/H6R	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact1 1CO	1	S2C-H6R	piece
2CSS200933R0011	Shunt trip F2C-A	1	F2C-A1	piece
2CSS200933R0012	Shunt trip F2C-A	1	F2C-A2	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage release	1	S2C-UA 12 DC	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release	1	S2C-UA 24 AC	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release	1	S2C-UA 48 AC	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	1	S2C-UA 110 AC	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	1	S2C-UA 230 AC	piece

2CSS200911R0006	S2C-UA 400 AC Undervoltage release	1	S2C-UA 400 AC	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage release	1	S2C-UA 24 DC	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage release	1	S2C-UA 48 DC	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage release	1	S2C-UA 110 DC	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage release	1	S2C-UA 230 DC	piece

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Miniature Circuit Breakers MCBs > Miniature Circuit Breakers MCBs > SN201



360°

