PRODUCT-DETAILS

SN201-C20

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



General Information

Extended Product Type	SN201-C20
Product ID	2CSS255101R0204
EAN	8012542092056
Catalog Description	Miniature circuit breaker - SN201 - 1P+N - 20 A - C - (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

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	9AKK108469A7476

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Disassembling Instructions	
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	C
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	4.8 W
Overvoltage Category	III

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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
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 (t_2)	69 mm

Ordering

Package Level 1 Units	box 6 piece
Package Level 1 Gross Weight	0.684 kg
E-Number (Finland)	3217755
E-Number (Norway)	1630656

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Certificates and Declarations

Declaration of Conformity - CE	9AKK106713A5572

Installation

Instructions and Manuals	No document needed
Mounting Position	Any

Popular Downloads

Data Sheet, Technical Information	2CSC400002D0209

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	Type	Quantity	Unit Of Measure
2CSS200924R0001	SN201-S Signal contact	SN201-S	1	piece
2CSS200923R0001	SN201-IH Interface module with auxiliary contact	SN201-IH	1	piece
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage release	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Undervoltage release	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Undervoltage release	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage release	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Undervoltage release	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Undervoltage release	S2C-UA 230 DC	1	piece

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Categories

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





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