

PRODUCT-DETAILS

S201-Z1.6

S201-Z1.6 Miniature Circuit Breaker - 1P - Z - 1.6 A



General Information	
Extended Product Type	S201-Z1.6
Product ID	2CDS251001R0258
EAN	4016779530347
Catalog Description	S201-Z1.6 Miniature Circuit Breaker - 1P - Z - 1.6 A
Long Description	System pro M compact S200 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,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 6 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200 comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

ABB EcoSolutions ABB EcoSolutions Yes

Circular Value	
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 90 %
Sustainable Material Content	0 %
Offered with Extended Lifetime	Product Durability
Offered with Takeback	Take Back for Recycling

Services

Eco Transparency

Environmental Product 9AKK108467A7832
Declaration - EPD

Standards	Technical	
IECIEN 60947-2 Tripping Characteristic Case		IFC/FN 60898-1
Tipping Characteristic 3.2. Execution (Control (Contr		IEC/EN 60947-2
Rated Operational Voltage ac. to IEC 60888-1 230 V AC Acc to IEC 60888-1 230 V AC Acc to IEC 60888-1 230 V AC Acc to IEC 60888-1 240 V AC ACC ACC ACC ACC ACC ACC ACC ACC AC	Tripping Characteristic	Z
Operational Voltage Maximum (Incl. Tolerance) 72 V DC Maximum (Incl.		acc. to IEC 60898-1 230 V AC
Rated Insulation Voltage (U,) Maximum (Incl. Tolerance) 72 V DC (Ro664-1 440 V Voltage (U, Ingl.) acc. to IEC/EN 60664-1 440 V Voltage (U, Ingl.) acc. to IEC/EN 60664-1 440 V Voltage (U, Ingl.) acc. to IEC/EN 60664-1 440 V Voltage (U, Ingl.) acc. to IEC/EN 60664-1 440 V Voltage (U, Ingl.) Acc. Tol. 4 KV Voltage (U, Ingl.) Acc. Tol.		acc. to IEC 60947-2 230 V AC
(U) Rated Impulse Withstand Voltage (U _{Imp}) 4 kV Voltage (U _{Imp}) at 2000 m 5 kV at 2000 m 5 k	Operational Voltage	Maximum (Incl. Tolerance) 253 V AC Maximum (Incl. Tolerance) 72 V DC
Voltage (V _{imp}) at 2000 in 5 kV at 5ea Level 6 2 kV Dielectric Test Voltage 50/60 Hz, 1 min: 2 kV Input Voltage Type 30/60 Hz, 1 min: 2 kV Rated Current (I _α) 1.5 A Rated Short-Circuit (AC) 6 kA Capacity (200 k) (C) 6 kA Rated Ultimate Short-Circuit (I _α) (133 V AC) 20 kA Circuit Breaking Capacity (I _α) (20 V AC) 16 kA Rated Conditional Short-Circuit Current (I _α) (23 V AC) 10 kA Circuit Eveaking Capacity (I _α) (230 V AC) 15 kA Circuit Breaking Capacity (I _α) (230 V AC) 15 kA Circuit Breaking Capacity (I _α) (230 V AC) 15 kA Circuit Breaking Capacity (I _α) 50 Hz Frequency (f) 50 Hz Rated Frequency (f) 50 Hz Rated Service Short-Circuit Breaking Capacity (I _α) (230 V AC) 7.5 kA Circuit Breaking Capacity (I _α) 50 Hz State Frequency (f) 50 Hz Rated Frequency (f) 50 Hz Cover Loss Red ON / Green OF Contact Position Red ON / Green OF Indication Red ON / Green OF <td></td> <td>acc. to IEC/EN 60664-1 440 V</td>		acc. to IEC/EN 60664-1 440 V
Dielectric Test Voltage		4 kV
Delectric Test Voltage \$0/60 Hz, 1 min: 2 kV Input Voltage Type AC/DC Rated Current (In) 1.6 A Rated Short-Circuit (AC) 6 kA Capacity (Bold March Circuit) (Bold March Circuit) Rated Ultimate Short- (133 v Ac) 20 kA (AC) 20 kA Circuit Breaking Capacity (24 v Do; 20 kA (24 v Do; 20 kA Circuit Breaking Capacity (24 v Do; 20 kA (24 v Do; 20 kA Circuit Gurinnt (Inc) (24 v Do; 20 kA (24 v Do; 20 kA Circuit Gurinnt (Inc) (230 v Y A) 10 kA (24 v Do; 20 kA Circuit Gurinnt (Inc) (230 v Y A) 10 kA (24 v Do; 20 kA Circuit Gurinnt (Inc) (30 v Ac) 10 kA (30 v Ac) 10 kA Circuit Gurinnt (Inc) (30 v Ac) 10 kA	Voltage (U _{imp})	**=*** ··· * ···
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Recommended Screw Pozidriv 2 Driver Accessories Available Yes		TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Driver Accessories Available Yes		any
		Pozidriv 2
Connecting Capacity Busbar 10 / 10 mm²	Accessories Available	Yes
	Connecting Capacity	Busbar 10 / 10 mm ²

| Flexible with Ferrule 0.75 ... 25 mm² | Flexible 0.75 ... 25 mm² | Flexible 0.75 ... 25 mm² | Rigid 0.75 ... 35 mm² | Stranded 0.75 ... 35 mm² | Stranded 0.75 ... 35 mm² | Installation Size | acc. to DIN 43880 1 | Wire Stripping Length | 12.5 mm | Terminal Type | Screw Terminals | Screw Terminals

Environmental	
Ambient Air Temperature	Operation -25 +55 °C Storage -40 +70 °C
Degree of Protection	IP20 Enclosure with Cover IP40
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 150 5 Hz with load 0.8 In
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Information	2CDK403001D0607
REACH Declaration	9AKK107492A1906
SCIP	e6800e55-46b1-49a3-881b-0f66d0e903ad Germany (DE)
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Technical UL/CSA	
Maximum Operating Voltage UL/CSA	60 V DC 480Y / 277 V AC
Interrupting Rating acc. to UL1077	(277 V AC) 6 kA (60 V DC) 10 kA (120 V) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque	18 in·lb

Dimensions	
Width in Number of Modular Spacings	1
Product Net Width	17.5 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.125 kg
Pole Net Weight	0.125 kg
Built-In Depth (t ₂)	69 mm
Dimension Diagram	2CDC022007F0010

Ordering	
Minimum Order Quantity	1 piece
Package Level 1 Units	carton 10 piece
Package Level 1 Gross Weight	1.295 kg
E-Number (Finland)	3210704
E-Number (Sweden)	2100744

Certificates and Declarations	
Certification Agency	EN IEC UI
Declaration of Conformity - CE	2CDK403001D0607
Declaration of Conformity - UKCA	9AKK108467A5053
l²t Characteristic	9AKK107992A5104
Installation	
Instructions and Manuals	2CDS207104P0002
Popular Downloads	
Data Sheet, Technical Information	9AKK107991A8329
I²t Characteristic	9AKK107992A5104
EPLAN Graphical Macro	9AKK106713A8095
EPLAN Macro	9AKK106713A8090
Classifications	
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
EPLAN Function Definition	Circuit breaker / Single circuit breaker / Circuit breaker 1_2
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F

Accessories

Identifier	Description	Туре	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact	S2C-H6R	1	piece
2CDS200936R0001	S2C-H11L Auxiliary Contact	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Auxiliary Contact	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Auxiliary Contact	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200909R0001	S2C-A1 Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Shunt Trip	S2C-A2	1	piece
2CSS200911R0001	S2C-UA 12 DC Undervoltage release S	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Undervoltage release S	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Undervoltage release S	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 S	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC Undervoltage release S	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
2CSS201997R0013	S2C-CM1 Motor operating device	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3 Motor operating device	S2C-CM2/3	1	piece
2CSS204997R0013	S2C-CM4 Motor operating device	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH Mechanical Accessories	S2C-DH	1	piece
2CSS200998R0001	S2C-BP Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST Plug-in base	S2C-EST	1	piece
2CDS200918R0001	S2C-NT Hand Operated Neutral	S2C-NT	1	piece
2CCA880100R0001	CMS-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece

Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Modular\ DIN\ Rail\ Products \rightarrow Miniature\ Circuit\ Breakers\ MCBs \rightarrow Miniature\ Circuit\ Breakers\ MCBs$





