



PRODUCT-DETAILS

S203MT-B20

Miniature Circuit Breaker - S200MT - 3P - 20 A - B - 10 kA



General Information	
Extended Product Type	S203MT-B20
Product ID	2CDS273445R0205
EAN	4016779122733
Catalog Description	Miniature Circuit Breaker - S200MT - 3P - 20 A - B - 10 kA
Long Description	S203MT-B20 Miniature Circuit Breaker B-Char., 10kA, 20A, 3P

ABB EcoSolutions	
ABB EcoSolutions	Yes
Recyclability Rate of the Product acc. to EN45555	Design for Closing Resource Loops - Standard EN45555 - 80.7 %
ABB Site Meeting Group Waste To Landfill Target	No non-hazardous waste is sent to a landfill
Extended Product Lifetime	Product Durability
End Of Life Disassembling Instructions	9AKK108468A3132
Environmental Product	9AKK108467A7832

Declaration - EPD

Technical

Dielectric Test Voltage	50 / 60 Hz - 1 min 2 kV
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V) 15 kA (400 V) 15 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	11.2 kA
Energy Limiting Class	3
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of Poles	3P
Number of Modular Spacings per DIN Rail	3
Tightening Torque	2.8 N·m
Actuator Type	Toggle
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Busbar 10/10 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ²
Installation Size	acc. to DIN 43880 3
Terminal Type	Screw Terminals

Electrical

Tripping Characteristic	B
Rated Voltage (U_r)	440 V
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 230 V AC
Operational Voltage	Maximum (Incl. Tolerance) 253 V AC Maximum (Incl. Tolerance) 66 V DC Minimum 12 V AC Minimum 12 V DC
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U_{imp})	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type	AC
Rated Current (I_n)	20 A
Rated Short-Circuit Capacity	10 kA (230 V AC) 10 kA (400 V) 10 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	7.5 W
Overvoltage Category	III

Design

Housing Material	Insulation Group I, RAL 7035
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Material Compliance

RoHS Declaration	2CQB100288
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	20220630
REACH Declaration	9AKK107492A1906
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
SCIP	cf3c587b-f530-456e-834f-2f0e3c56c9e8 Germany
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business

Environmental

Ambient Air Temperature	Operation -40 ... +70 °C Storage -40 ... +75 °C
Degree of Protection	Enclosure with Cover IP20
Pollution Degree	3
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 5 ... 150 ... 5 Hz
Resistance to Shock acc. to IEC 60068-2-27	25g 2 shocks 13 ms

Dimensions

Width in Number of Modular Spacings	3.0
Product Net Width	52.5 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.375 kg
Pole Net Weight	0.115 kg
Built-In Depth (t ₂)	69 mm

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.387 kg
Replaced Product ID (OLD)	2CDS273006R0205

Certificates and Declarations

Declaration of Conformity - CE	2CQB100288
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Installation

Instructions and Manuals	2CDS207104P0002
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

Popular Downloads

Data Sheet, Technical Information	9AKK108467A7598
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External Classifications and Standards

ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F
Standards	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077 CSA 22.2 No. 235
Certification Agency	EN IEC
Standardization Body	EN IEC

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R Universal Auxiliary/Signal Con	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Auxiliary Contact 1CO	S2C-H6R	1	piece
2CDS200970R0031	S2C-H01 Bottom-fitting auxiliary contact S2C-H01 Bottom-fitting auxiliary contact 1NC	S2C-H01	1	piece
2CDS200970R0032	S2C-H10 Bottom-fitting auxiliary contact 1NO	S2C-H10	1	piece
2CDS200936R0001	S2C-H11L Auxiliary Contact 1NO / 1NC, Left side mounting	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Auxiliary Contact 2NO	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Auxiliary Contact 2NC, Left side mounting	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R Auxiliary contact 1NO/1NC	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Auxiliary contact 2NO	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Auxiliary contact 2NC	S2C-H6-02R	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
GHS2001901R0003	S2C-DH Rotary operating mechanism	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 → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → S200MT

