

**PRODUCT-DETAILS** 

# S203MT-K32

# Miniature Circuit Breaker - S200MT - 3P - K -32 ampere



General Information	on
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Extended Product Type	S203MT-K32
Product ID	2CDS273006R0537
EAN	4016779770323
Catalog Description	Ministure Circuit Brooker S200MT 2D K 22 ampere

50% space saving and the creation of group signals.

S200MT miniature circuit breakers are designed especially for traction and railway applications. Acc. NF F 16-101/102 the product range S200MT is classified with Exigence 3, enabling the use in all parts of the vehicle. They are current limiting and 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 (C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 10 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200MT comply with IEC/EN 60898-1 and IEC/EN 609 47-2. All system pro M compact accessories can be used. Including the bottom-fitting auxiliary contact S2C-Hxx providing the possibility of

Long Description

Technical	
Standards	IEC/EN 60947-2
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	K
Rated Current (In)	32 A
Rated Operational Voltage	acc. to IEC 60947-2 400 V AC
Power Loss	12.6 W

at Rated Operating	Conditions	per Pole 4.2 W
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	at Rated Operating Conditions per Pole 4.	
Rated Insulation Voltage (Ui)	acc. to IEC/EN 60664-1 440 V	
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC	
Rated Frequency (f)	50 Hz 60 Hz	
Rated Short-Circuit Capacity (I <sub>cn</sub> )	10 kA	
Rated Ultimate Short- Circuit Breaking Capacity (I <sub>cu</sub> )	(400 V AC) 15 kA	
Rated Service Short- Circuit Breaking Capacity (I <sub>cs</sub> )	(400 V AC) 11.3 kA	
Energy Limiting Class	3	
Overvoltage Category	III	
Pollution Degree	3	
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	(5.0 kV @ 2000 m) (6.2 kV @ sea level) 4 kV	
Dielectric Test Voltage	50 / 60 Hz, 1 min: 2 kV	
Housing Material	Insulation Group I, RAL 7035	
Actuator Type	Insulation group II, black, sealable	
Actuator Material	Insulation Group II, Black, Sealable	
Actuator Marking	1/0	
Contact Position Indication	ON / OFF	
Degree of Protection	IP20	
Remarks	IP40 in enclosure with cover	
Electrical Endurance	10000 AC cycle	
	20000 cycle	
Terminal Type	Screw Terminals	
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal	
Connecting Capacity	Busbar 10 / 10 mm² Flexible with Ferrule 0.75 16 mm² Flexible 0.75 16 mm² Rigid 0.75 25 mm² Stranded 0.75 25 mm²	
Tightening Torque	2.8 N·m	
Recommended Screw Driver	Pozidriv 2	
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715	
Mounting Position	Any	
Built-In Depth (t <sub>2</sub> )	69 mm	
Installation Size	acc. to DIN 43880 1	
Power Supply Connection	Arbitrary	

#### **Environmental**

Ambient Air Temperature	Operation -25 +55 °C Storage -40 +70 °C
Resistance to Shock acc. to IEC 60068-2-27	30g / 3 shocks / 11 ms
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 150 5 Hz with load 0.8 In
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
RoHS Status	Following EU Directive 2011/65/EU

2CDC002053D0204

Product Net Width	52.5 mm
Product Net Depth /	69 mm
Length	
Product Net Height	88 mm
Product Net Weight	0.375 kg
Container Information	
Package Level 1 Units	carton 1 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	58 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	0.4 kg
Package Level 1 EAN	4016779828710
Ordering Minimum Order Quantity Customs Tariff Number	1 piece 85362010
Certificates and Declarations (Document Number)	
Declaration of	2CDK400594D2702
Declaration of Conformity - CE Environmental	
Certificates and Declarations (Document Number)  Declaration of Conformity - CE Environmental Information Instructions and Manuals	2CDK400030D0203
Declaration of Conformity - CE Environmental Information Instructions and Manuals	2CDK400030D0201
Declaration of Conformity - CE Environmental Information Instructions and Manuals  Popular Downloads	2CDK400594D2702 2CDK400030D0201 2CDC002053D0204
Declaration of Conformity - CE Environmental nformation nstructions and Manuals	2CDK400030D0201

## Classifications

Instructions and Manuals

Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
eClass	7.0 27141901
UNSPSC	39121614

#### Accessories

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Identifier	Description	Туре С	uantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R - Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R - Auxiliary Contact	S2C-H6R	1	piece
2CDS200970R0001	S2C-H01 - Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0002	S2C-H10 - Auxiliary Contact	S2C-H10	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	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 releases	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	2CSS200911R0009 S2C-UA 110 DC - Undervoltage releaseS2C-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

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

