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Detailed information for: S203-K25

This page contains technical data sheet, documents library and links to offering related to this product.
If you require any other information, please contact us using form located at the bottom of the page.

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S203-K25

General Information

Extended Product Type:	S203-K25
Product ID:	2CDS253001R0517
EAN:	4016779507561
Catalog Description:	S203-K25 Miniature Circuit Breaker - 3P - K - 25 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.

Categories

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





+ Accessories

Technical

Standards:	IEC/EN 60947-2 UL 1077
Product Name:	Miniature Circuit Breaker
Tripping Characteristic:	K
Rated Voltage (U_r):	400 V AC
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC
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
Dielectric Test Voltage:	50/60 Hz, 1 min: 2 kV
Input Voltage Type:	AC
Rated Current (I_n):	25 A
Rated Short-Circuit Capacity (I_{cn}):	(230 V AC) 6 kA (400 V AC) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}):	(230 V AC) 20 kA (400 V AC) 10 kA (440 V AC) 10 kA
Rated Conditional Short-Circuit Current (I_{nc}):	(230 V) 20 kA (400 V) 20 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}):	(230 V AC) 6 kA
Frequency (*f*):	50 Hz
Rated Frequency (f):	50 / 60 Hz
Power Loss:	8.7 W at Rated Operating Conditions per Pole 2.9 W
Power Supply Connection:	Arbitrary
Contact Position Indication:	Red ON / Green OFF
Energy Limiting Class:	3
Electrical Endurance:	20000 AC cycle
Mechanical Endurance (N_{endu}):	20000 cycle
Number of Poles:	3
Number of Protected Poles:	3
Overvoltage Category:	III
Product Range:	S200
Tightening Torque:	2.8 N·m
Screw Terminal Type:	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking:	I / O
Actuator Material:	Insulation Group II, Black, Sealable
Housing Material:	Insulation Group II, RAL 7035
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
Recommended Screw Driver:	Pozidriv 2
Accessories Available:	Yes

Connecting Capacity:	Busbar 10 / 10 mm² Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Installation Size:	acc. to DIN 43880 1
Terminal Type:	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
Environmental Information:	2CDK400030D0201

Technical UL/CSA

Maximum Operating Voltage UL/CSA:	110 V DC 480Y / 277 V AC
Interrupting Rating acc. to UL1077:	(110 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA
Connecting Capacity UL/CSA:	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA:	25 in·lb

Dimensions

Width in Number of Modular Spacings:	3
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

Container Information

Package Level 1 Units:	carton 1 piece
Package Level 1 Width:	92 mm
Package Level 1 Height:	80 mm
Package Level 1 Depth / Length:	58 mm

Package Level 1 Gross Weight:	0.4 kg
Package Level 1 EAN:	4016779609579
Package Level 2 Units:	carton 36 piece
Package Level 2 Width:	275 mm
Package Level 2 Height:	210 mm
Package Level 2 Depth / Length:	395 mm
Package Level 2 Gross Weight:	13.36 kg
Package Level 2 EAN:	4016779973588

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010
E-Number (Finland):	3210919
E-Number (Sweden):	2100734
Country of Origin:	Germany (DE)
Selling Unit of Measure:	piece

Certificates and Declarations (Document Number)

Certification Agency:	EN IEC UL
Declaration of Conformity - CE:	2CDK403001D0607
Environmental Information:	2CDK400030D0201
Instructions and Manuals:	2CDS207104P0001
RoHS Information:	2CDK403001D0607

Popular Downloads

Data Sheet, Technical Information:	9AKK107046A0423
Instructions and Manuals:	2CDS207104P0001
EPLAN Graphical Macro:	9AKK106713A8196
EPLAN Macro:	9AKK106713A8194

Classifications

ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
ETIM 7:	EC000042 - Miniature circuit breaker (MCB)
ETIM 8:	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree:	Electrical engineering / Protection devices / General
EPLAN Function Definition:	Circuit breaker / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_6
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B:	Business To Consumer
CN8:	8536 20 10
UNSPSC:	39121614
eClass:	V11.0 : 27141901
Object Classification Code:	F

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