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## Extended Information

**Product Type:** S203-D1,6  
**EAN:** 4016779530835  
**Catalog 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 and CSA 22.2 No. 235, 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

## Ordering

**EAN:** 4016779530835  
**Minimum Order Quantity:** 1 piece  
**Customs Tariff Number:** 85362010

## Dimensions

**Product Net Width:** 52.5 mm  
**Product Net Depth:** 69 mm  
**Product Net Height:** 88 mm  
**Product Net Weight:** 0.375 kg

## Container Information

**Package Level 1 Units:** 1 piece  
**Package Level 1 Width:** 92 mm  
**Package Level 1 Length:** 58 mm  
**Package Level 1 Height:** 80 mm  
**Package Level 1 Gross Weight:** 0.4 kg  
**Package Level 1 EAN:** 4016779609708  
**Package Level 2 Units:** 36 piece  
**Package Level 2 Width:** 275 mm  
**Package Level 2 Length:** 395 mm  
**Package Level 2 Height:** 210 mm  
**Package Level 2 Gross Weight:** 13.36 kg  
**Package Level 2 EAN:** 4016779973731

## Environmental

**Ambient Air Temperature:**  
Operation -25 ... +55 °C  
Storage -40 ... +70 °C

**Resistance to Shock acc. to IEC 60068-2-27:**  
25g / 2 shocks / 13 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 2002/95/EC August 18, 2005 and amendment

## Technical

**Standards:**  
IEC/EN 60898-1  
IEC/EN 60947-2  
UL 1077

**Number of Poles:** 3  
**Tripping Characteristic:** D  
**Rated Current (I_n):** 1.6 A  
**Rated Operational Voltage:** acc. to IEC 60898-1 400 V AC  
acc. to IEC 60947-2 440 V AC  
**Power Loss:** 4.5 W
Rated Insulation Voltage (U_i): acc. to IEC/EN 60664-1 440 V
Operational Voltage: Maximum (incl. Tolerance) 440 V AC
Minimum 12 V AC / 12 V DC
Rated Frequency (f): 50 Hz
60 Hz
Rated Short-Circuit Capacity (I_{cn}): 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu}): 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs}): 7.5 kA
Energy Limiting Class: 3
Overvoltage Category: III
Pollution Degree: 3
Rated Impulse Withstand Voltage (U_{imp}): 4 kV
(6.2 kV @ sea level)
(5.0 kV @ 2000 m)
Dielectric Test Voltage: 50 / 60 Hz, 1 min: 2 kV
Housing Material: Insulation Group II, RAL 7035
Actuator Type: Insulation group II, black, sealable
Contact Position Indication: Red ON / Green OFF
Degree of Protection: IP20
Remarks: IP40 in enclosure with cover
Electrical Endurance: 20000 AC cycle
Mechanical Endurance: 20000 cycle
Terminal Type: Screw Terminals
Screw Terminal Type: Failsafe Bi-directional Cylinder-lift Terminal
Connecting Capacity: Busbar 10 / 10 mm²
Flexible with Female 0.75 ... 25 mm²
Flexible 0.75 ... 25 mm²
Rigid 0.75 ... 35 mm²
Stranded 0.75 ... 35 mm²
Tightening Torque: 2.8 N-m
Recommended Screw Driver: Pozidriv 2
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

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

Certificates and Declarations (Document Number)
Declaration of Conformity - CE: 2CDK400003K0201
RoHS Information: 2CDK403001D0602

Classifications
eClass: 7.0 27141901
E-nummer: 2100660
ETIM 4: EC000042 - Miniature circuit breaker (MCB)
ETIM 5: EC000042 - Miniature circuit breaker (MCB)
Object Classification Code: F
UNSPSC: 39121614

Accessories Show accessory images
32 Products

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