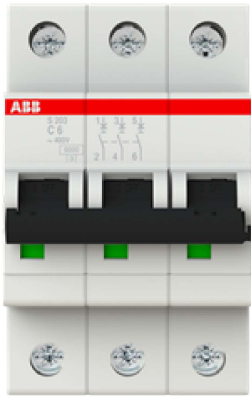




English ▼



S203-C6

Print to PDF

Buy now

General Information

Extended Product Type:

S203-C6

Product ID:

2CDS253001R0064

EAN:

4016779467506

Catalog Description:

Miniature Circuit Breaker - S200 - 3P - 6 A - C

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 characterist... [Show more](#)

Add to Cart Read More

**Data Sheet**

**Downloads**

**Buy now**

**Categories**

**Related Links**

**Related Products**

**Go To Section:**

- ABB EcoSolutions
- Technical
- Electrical
- Design
- Technical UL/CSA
- Material Compliance
- Environmental
- Dimensions
- Ordering
- Certificates and Declarations
- Installation
- Popular Downloads
- External Classifications and Standards
- Accessories

**ABB EcoSolutions**

**ABB EcoSolutions:**

Yes

**EcoSolutions Profile:**

[Ecosolutions Product Profile\\_S200 MCB](#)

**Recyclability Rate of the Product acc. to EN45555:**

Design for Closing Resource Loops - Standard EN45555 - 87.8 %

**Extended Product Lifetime:**

Product Durability

**End Of Life Disassembling Instructions:**

[End of life instruction S200, S200L, SZ200, SC200, S200M](#)

**Environmental Product Declaration - EPD:**

[EPD MCB Compact S200 \(...M, SC..., ST..., ...MTUC, ...MT & MUC\) family.](#)

**Technical**

**Dielectric Test Voltage:**

50/60 Hz-1 min: 2 kV

**Rated Ultimate Short-Circuit Breaking Capacity (I<sub>cu</sub>):**

- (230 V AC) 20 kA
- (400 V AC) 10 kA
- (440 V AC) 10 kA
- (230 V) 20 kA
- (400 V) 10 kA

**Rated Service Short-Circuit Breaking Capacity (I<sub>cs</sub>):**

- (230 V AC) 15 kA
- (400 V AC) 7.5 kA
- (440 V AC) 7.5 kA

**Power Supply Connection:**

Arbitrary

**Contact Position Indication:**

Red ON / Green OFF

Energy Limiting Class:

3

Electrical Endurance:

20000 AC cycle

Mechanical Endurance:

20000 cycle

Number of Protected Poles:

3

Number of Poles:

3P

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

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
- Rigid 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

Electrical

Tripping Characteristic:

C

Rated Operational Voltage:

- acc. to IEC 60898-1 400 V AC
- acc. to IEC 60898-1 400 V
- acc. to IEC 60947-2 440 V AC

Operational Voltage:

- Maximum (Incl. Tolerance) 440 V AC
- Minimum 12 V AC
- Minimum 12 V DC

Rated Insulation Voltage (U<sub>i</sub>):

acc. to IEC/EN 60664-1 440 V

Rated Impulse Withstand Voltage (U<sub>imp</sub>):

4 kV

at 2000 m 5 kV  
at Sea Level 6.2 kV

**Input Voltage Type:**

AC/DC

**Rated Current ( $I_n$ ):**

6 A

**Rated Short-Circuit Capacity:**

(AC) 6 kA  
(DC) 6 kA  
(400 V AC) 6 kA  
(400 V) 6 kA

**Rated Conditional Short-Circuit Current ( $I_{nc}$ ):**

(230 V) 20 kA  
(400 V) 20 kA

**Frequency ( $f$ ):**

50 Hz

**Rated Frequency (f):**

50 / 60 Hz

**Power Loss:**

6 W  
at Rated Operating Conditions per Pole 2 W

**Overvoltage Category:**

III

## Design

**Housing Material:**

Insulation Group II, RAL 7035

## Technical UL/CSA

**Maximum Operating Voltage UL/CSA:**

110 V DC  
480Y/277 V AC

**Interrupting Rating acc. to UL1077:**

(277 V AC) 6 kA  
(480Y / 277 V AC) 6 kA  
(240 V) 10 kA

**Connecting Capacity UL/CSA:**

Busbar 18-8 AWG  
Conductor 18-4 AWG

**Tightening Torque UL/CSA:**

18 in·lb

## Material Compliance

**RoHS Information:**

[EU Declaration of Conformity S200L, S200, S200M](#)

**RoHS Status:**

Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

**RoHS Date:**

0335

**REACH Declaration:**

Declaration regarding the REACH-Regulation

**REACH Information:**

True - contains substances > 0.1 mass percentage

**REACH Date:**

20240821

**Conflict Minerals Reporting Template (CMRT):**

Conflict Minerals Reporting Template

**SCIP:**

e6800e55-46b1-49a3-881b-0f66d0e903ad Germany

**WEEE Category:**

5. Small Equipment (No External Dimension More Than 50 cm)

**WEEE B2C / B2B:**

Business To Business

**Environmental**

**Ambient Air Temperature:**

Operation -25 ... +55 °C

Storage -40 ... +70 °C

**Reference Ambient Air Temperature:**

30 °C

**Degree of Protection:**

IP20

IP40

Enclosure with Cover IP40

**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:**

0.125 kg

**Built-In Depth (t<sub>2</sub>):**

69 mm

**Dimension Diagram:**

[Dimensioned drawing S200, S200L, S200M](#)



**Ordering**

**Package Level 1 Units:**

carton 1 piece

**Package Level 1 Gross Weight:**

0.4 kg

**E-Number (Finland):**

3210606

**E-Number (Norway):**

1665336

**E-Number (Sweden):**

2100592

**Certificates and Declarations**

**Declaration of Conformity - CE:**

[EU Declaration of Conformity S200L, S200, S200M](#)

**Declaration of Conformity - UKCA:**

[UKCA Declaration of Conformity - S200, S200M](#)

**I<sup>2</sup>t Characteristic:**

[S200\\_S200M\\_S200P let-through energy B-C](#)

**Installation**

**Instructions and Manuals:**

[S200, S300 instruction manual](#)

**Mounting Type:**

DIN-Rail

**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:**

[A\\_Electrical installation solutions for buildings\\_part A - 2nd edition 2024 \[EN\]\\_\(PDF\)](#)

**I<sup>2</sup>t Characteristic:**

[S200\\_S200M\\_S200P let-through energy B-C](#)

**External Classifications and Standards**

**ETIM 9:**

EC000042 - Miniature circuit breaker (MCB)



3/18/25, 3:52 PM

S203-C6 | ABB

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
Certification Agency:
EN
IEC
UL
Standardization Body:
EN
IEC
UL

Accessories

Clear all

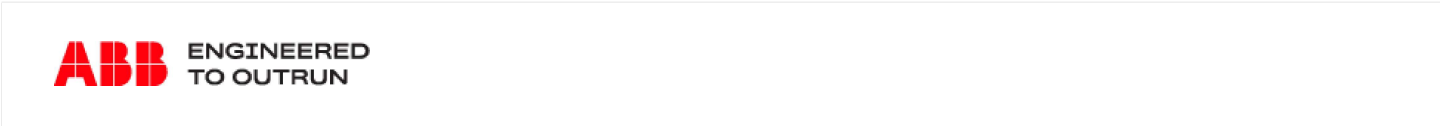
Show all filters (37)

Number of Auxiliary Contacts CO (SPDT)	10
Number of Auxiliary Contacts NC	10
Number of Auxiliary Contacts NO	10

29 Products

Search products...

Identifier	Description	Type	Qty	Unit Of Measure	Actions
<a href="#">2CDS200922R0001</a>	Signal/Auxiliary Contact	S2C-S/H6R	1	piece	
<a href="#">2CDS200912R0001</a>	Auxiliary Contact	S2C-H6R	1	piece	
<a href="#">2CDS200970R0031</a>	Auxiliary Contact	S2C-H01	1	piece	
<a href="#">2CDS200970R0032</a>	Auxiliary Contact	S2C-H10	1	piece	
<a href="#">2CDS200936R0001</a>	Auxiliary Contact	S2C-H11L	1	piece	



PRODUCTS

- Offerings A-Z
- Services
- Where to buy

INDUSTRY SOLUTIONS

- Channel partners
- Buildings and infrastructure
- Industrial automation
- Marine
- Oil & gas
- Power generation

INVESTORS

- Investor & shareholder resources
- Quarterly results & annual reports
- Corporate governance
- Calendar, events and publications

COMPANY

- Customer events
- News & media
- Who we are
- Innovation
- Careers
- Sustainability
- Our values
- Supplying



[Provider information](#)

[Privacy Notice](#)

[Cookie settings](#)

© 1995 - 2025