



English ▼



S204-K50

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General Information

Extended Product Type:

S204-K50

Product ID:

2CDS254001R0577

EAN:

4016779551229

Catalog Description:

Miniature Circuit Breaker - S200 - 4P - 50 A - K

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](#)

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Data Sheet

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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_{cu}):

(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_{cs}):

(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:

10000 AC cycle

Mechanical Endurance:

20000 cycle

Number of Protected Poles:

4

Number of Poles:

4P

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 mm²Flexible with Ferrule 0.75 ... 25 mm²Flexible 0.75 ... 25 mm²Rigid 0.75 ... 35 mm²Rigid 0.75 ... 35 mm²Stranded 0.75 ... 35 mm²**Installation Size:**

acc. to DIN 43880 1

Wire Stripping Length:

12.5 mm

Terminal Type:

Screw Terminals

Electrical**Tripping Characteristic:**

K

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

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/DC

Rated Current (I_n):

50 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:

12.4 W

at Rated Operating Conditions per Pole 3.1 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

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:**

4.0

Product Net Width:

70 mm

Product Net Height:

88 mm

Product Net Depth / Length:

69 mm

Product Net Weight:

0.5 kg

Pole Net Weight:

0.125 kg

Built-In Depth (t₂):

69 mm

Dimension Diagram:

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



Ordering

Package Level 1 Units:

carton 1 piece

Package Level 1 Gross Weight:

0.51 kg

E-Number (Norway):

1665710

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^t Characteristic:

[S200_S200M_S200P I^t-through energy D-K](#)

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^t Characteristic:

[S200_S200M_S200P I^t-through energy D-K](#)

External Classifications and Standards

ETIM 9:

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

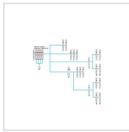
Certification Agency:

EN
IEC
UL

Standardization Body:

EN
IEC
UL

Accessories



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2CDS200970R0031	Auxiliary Contact	S2C-H01	1	piece	
2CDS200970R0032	Auxiliary Contact	S2C-H10	1	piece	
2CDS200936R0001	Auxiliary Contact	S2C-H11L	1	piece	

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