


Dutch ▼



S202M-K20

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General information

Type:

S202M-K20

Article number:

2CDS272001R0487

EAN:

4016779600736

Description:

Miniature Circuit Breaker - S200M - 2P - 20 A - K

Long description:

System pro M compact S200M 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 characteris... [Show more](#)

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ABB EcoSolutions

ABB EcoSolutions:

[Ja](#)

EcoSolutions Profile:

[Ecosolutions Product Profile_S200M MCB](#)

Recyclability Rate of the Product acc. to EN45555:

Design for Closing Resource Loops - Standard EN45555 - 90.6 %

Extended Product Lifetime:

[Product Durability](#)

Offered with Takeback Services:

[Take Back for Recycling](#)

End Of Life Disassembling Instructions:

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

Environmental Product Declaration - EPD:

[EPD S200M, MCB 10kA. 0.5 to 63A](#)

Technical specifications

Disable feature:

[K](#)

Nominal operating voltage:

acc. to IEC 60898-1 400 V AC

acc. to IEC 60898-1 400 V

acc. to IEC 60947-2 440 V AC

Operating voltage:

Maximum (inclusief tolerantie) 125 V DC

Maximum (inclusief tolerantie) 440 V AC

Minimum 12 V AC

Minimum 12 V DC

Nominal insulation voltage (U_i):

acc. to IEC/EN 60664-1 440 V

Nominal impulse limit 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/DC
Rated current (I_n): 20 A
Nominal short-circuit capacity: (AC) 10 kA (DC) 10 kA (230 V AC) 10 kA (400 V AC) 10 kA (400 V) 10 kA
Nominaal ultiem kortsluitvermogen (I_{cu}): (230 V AC) 25 kA (400 V AC) 15 kA (440 V AC) 15 kA (230 V) 25 kA (400 V) 15 kA
Nominale voorwaardelijke kortsluitstroom (I_{nc}): (230 V) 15 kA (400 V) 25 kA
Nominaal vermogen kortsluitvermogen (I_{cs}): (230 V AC) 10 kA
Toegekende frequentie (f): 50 / 60 Hz
Vermogensverlies: 5.4 W at Rated Operating Conditions per Pole 2.7 W
Aansluiting voeding: Arbitrary
Statusindicator: Red ON / Green OFF
Energiebeperkende klasse: 3
Mechanisch uithoudingsvermogen: 20000 cycle
Aantal beveiligde polen: 2
Aantal polen: 2P
Overspanningscategorie: III
Aanhaalmoment: 2.8 N·m
Type schroefklem: Failsafe Bi-directional Cylinder-lift Terminal
Aansturingsmarkering: I / O
Aansturingsmateriaal: Insulation Group II, Black, Sealable
Materiaal behuizing:

Isolatie Groep II, RAL 7035

Montage op 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

Plaats van inbouw:

any

Aanbevolen schroevendraaier:

Pozidriv 2

Accessoires beschikbaar:

Ja

Verbindingscapaciteit:

Busbar 10 / 10 mm²

Flexible with Ferrule 0.75 ... 25 mm²

Flexible 0.75 ... 25 mm²

Flexible 0.75 ... 25 mm²

Rigid 0.75 ... 35 mm²

Rigid 0.75 ... 35 mm²

Stranded 0.75 ... 35 mm²

Installatiegrootte:

acc. to DIN 43880 1

Terminaltype:

Schroef

Material Compliance

RoHS-informatie:

[RoHS declaration of conformity - S200L, S200, S200M](#)

RoHS-status:

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

RoHS-datum:

20161001

REACH-verklaring:

[Declaration regarding the REACH-Regulation](#)

REACH Information:

True - contains substances > 0.1 mass percentage

REACH Date:

20240821

Rapport over conflictmineralen (CMRT):

[Conflict Minerals Reporting Template](#)

Milieu

Omgevingsluchttemperatuur:

Werking -25 ... +55 °C

Opslag -40 ... +70 °C

Referentie omgevingsluchttemperatuur:

30 °C

Beschermingsgraad:

IP20

IP40

Enclosure with Cover IP40

Verontreinigingsgraad:

Milieu-omstandigheden:

28 cycles
with 55 °C / 90-96 %
and 25 °C / 95-100 %

Weerstand tegen trillingen volgens IEC 60068-2-6:

20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz

Schokweerstand volgens IEC 60068-2-27:

25g 2 shocks 13 ms

Technische specificaties UL/CSA**Maximale bedrijfsspanning UL/CSA:**

125 V DC
480Y / 277 V AC

Onderbrekende classificatie volgens UL1077:

(125 V DC) 10 kA
(277 V AC) 6 kA
(480Y / 277 V AC) 6 kA

Verbindingscapaciteit UL/CSA:

Busbar 14-8 AWG
Conductor 14-4 AWG

Aanhaalmoment UL/CSA:

18 in·lb

Afmetingen**Breedte in module-eenheden:**

2.0

Product netto breedte:

35 mm

Product netto hoogte:

88 mm

Product netto diepte:

69 mm

Product netto gewicht:

0.25 kg

Pool netto gewicht:

0.125 kg

Inbouwdiepte (t_2):

69 mm

Dimensiediagram:

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

 diagram

Bestelinformatie**Pakketniveau 1 Units:**

karton 5 stuk

Pakketniveau 1 Brutogewicht:

1.3 kg

E-Number (Sweden):

Certificaten en verklaringen (documentnummer)

Conformiteitsverklaring - CE:

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

Declaration of Conformity - UKCA:

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

I²t Characteristic:

[S200_S200M_S200P Iet-through energy D-K](#)

Installation

Instructions and manuals:

[S200, S300 instruction manual](#)

Popular downloads

Data sheet, technical information:

[9AKK107046A0423](#)

I²t Characteristic:

[S200_S200M_S200P Iet-through energy D-K](#)

External classifications and standards

ETIM 8:

EC000042 - Installatieautomaat

ETIM 9:

EC000042 - Installatieautomaat

WEEE category:

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

AEE B2C / B2B:

Business To Business

CN8:

8536 20 10

UNSPSC:

39121603

eClass:

V11.0 : 27141901

IGCC (IDEA granular category code):

4897 >> Miniature circuit breakers

Object classification code:

F

Standards:

CSA 22.2 No. 235

IEC/EN 60947-2

UL 1077

Certification agency:

CSA

EN

IEC

UL
