

## PRODUCT-DETAILS

# S201M-D50NA

## Miniature Circuit Breaker - S200M - 1+NP - D - 50 A



### Algemene informatie

Type	S201M-D50NA
Artikelnummer	2CDS271103R0501
EAN	4016779600224
Omschrijving	Miniature Circuit Breaker - S200M - 1+NP - D - 50 A
Omschrijving	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 characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 10 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200M comply with IEC/EN 60898-1 and IEC/EN 609 47-2, allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200M to save 50% space.

### Technische specificaties

Normen	IEC/EN 60898-1 IEC/EN 60947-2
Productnaam	Miniature Circuit Breaker
Uitschakelkenmerk	D
Nominaal bedrijfsvoltage	acc. to IEC 60898-1 230 V AC acc. to IEC 60947-2 230 V AC
Operationeel voltage	Maximum (Incl. Tolerance) 253 V AC Minimum 12 V AC Minimum 12 V DC
Nominaal isolatievoltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V

Nominale impuls grensvoltage ( $U_{imp}$ )	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Diëlektrische testspanning	50/60 Hz, 1 min: 2 kV
Ingangsspanningstype	AC/DC
Toegekende stroom ( $I_n$ )	50 A
Nominaal kortsluitvermogen ( $I_{cn}$ )	(230 V AC) 10 kA
Nominaal ultiem kortsluitvermogen ( $I_{cu}$ )	(133 V AC) 25 kA (230 V AC) 15 kA
Nominale voorwaardelijke kortsluitstroom ( $I_{nc}$ )	(230 V) 15 kA
Nominaal vermogen kortsluitvermogen ( $I_{cs}$ )	(133 V AC) 18.8 kA (230 V AC) 7.5 kA
Toegekende frequentie (f)	50 / 60 Hz
Vermogensverlies	5.8 W at Rated Operating Conditions per Pole 2.9 W
Aansluiting voeding	Arbitrary
Onderbreking	Red ON / Green OFF
Energiebeperkende klasse	3
Elektrisch uithoudingsvermogen	10000 AC cycle 20000 cycle
Aantal polen	1+N
Aantal beveiligde polen	1
Overspanningscategorie	III
Positie van neutrale klemmen	Right
Aanhaalmoment	2.8 N·m
Type schroefklem	Failsafe Bi-directional Cylinder-lift Terminal
Aansturingsmarkering	I / O
Aansturingsmateriaal	Insulation Group II, Black, Sealable
Materiaal behuizing	Insulation Group II, RAL 7035
Montage op DIN-rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Plaats van inbouw	Any
Aanbevolen schroevendraaier	Pozidriv 2
Accessoires beschikbaar	Yes
Verbindingscapaciteit	Busbar 10 / 10 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup> Stranded 0.75 ... 35 mm <sup>2</sup>
Installatiegrootte	acc. to DIN 43880 1
Terminaltype	Schroef

## Milieu

Omgevingsluchttempera tuur	Operation -25 ... +55 °C Storage -40 ... +70 °C
Referentie omgevingsluchttempera tuur	30 °C
Beschermingsgraad	IP20 Enclosure with Cover IP40
Verontreinigingsgraad	3
Milieu-omstandigheden	28 cycles

	with 55 °C / 90-96 % and 25 °C / 95-100 %
Weerstand tegen trillingen volgens IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Schokweerstand volgens IEC 60068-2-27	25g / 2 shocks / 13 ms
RoHS-status	Following EU Directive 2011/65/EU
Milieu-informatie	2CDK400030D0201

## Technische specificaties UL/CSA

Maximale bedrijfsspanning UL/CSA	60 V DC 480Y/277 V AC
Onderbrekende classificatie volgens UL1077	(277 V AC) 6 kA (480Y / 277 V AC) 6 kA (60 V DC) 10 kA
Verbindingscapaciteit UL/CSA	Busbar 14-8 AWG Conductor 14-4 AWG
Aanhaalmoment UL/CSA	18 in-lb

## Afmetingen

Breedte in module-eenheden	2
Product netto breedte	35 mm
Product netto hoogte	88 mm
Product netto diepte	69 mm
Product netto gewicht	0.25 kg
Pool netto gewicht	0.115 kg
Inbouwdiepte (t <sub>2</sub> )	69 mm

## Verpakkingsinformatie

Pakketniveau 1 Units	carton 5 stuk
Pakketniveau 1 Breedte	92 mm
Pakketniveau 1 Hoogte	80 mm
Pakketniveau 1 Lengte	183 mm
Pakketniveau 1 Brutogewicht	1.3 kg
Pakketniveau 1 EAN	4016779603119
Pakketniveau 2 Units	carton 60 stuk
Pakketniveau 2 Breedte	275 mm
Pakketniveau 2 Hoogte	210 mm
Pakketniveau 2 Lengte	395 mm
Pakketniveau 2 Brutogewicht	16 kg
Pakketniveau 2 EAN	4016779976800

## Bestelinformatie

Minimale bestelhoeveelheid	1 stuk
Nummer douanetarief	85362010
Land van herkomst	Germany (DE)
Verkoopenheid van maat	piece

## Certificaten en verklaringen (documentnummer)

Certificatieagentschap	EN IEC
Conformiteitsverklaring - CE	2CDK403001D0607
Milieu-informatie	2CDK400030D0201
Instructies en handleidingen	2CDS207104P0001
RoHS-informatie	2CDK400003K0203

## Populaire downloads

Gegevensblad, technische informatie	9AKK107046A0423
Instructies en handleidingen	2CDS207104P0001
EPLAN grafische macro	9AKK106713A8115
EPLAN-macro	9AKK106713A8105

## Classificatie

ETIM 6	EC000042 - Installatieautomaat
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN-catalogus boom	Electrical engineering / Protection devices / General
EPLAN-functiedefinitie	NO contact / NO contact, 2 connection points / NO contact, leading 3N_4N Circuit breaker / Single circuit breaker / Circuit breaker 1_2
WEEE-categorie	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 classificatiecode	F

## Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CDS200922R0001	S2C-S/H6R - Signal / Auxiliary Contact	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R - Auxiliary Contact	S2C-H6R	1	piece
2CDS200936R0001	S2C-H11L - Auxiliary Contact	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L - Auxiliary Contact	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L - Auxiliary Contact	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R - Auxiliary Contact	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R - Auxiliary Contact	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R - Auxiliary Contact	S2C-H6-02R	1	piece
2CDS200909R0001	S2C-A1 - Shunt Trip	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 - Shunt Trip	S2C-A2	1	piece
2CSS200911R0001	S2C-UA 12 DC - Undervoltage release	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC - Undervoltage release	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC - Undervoltage release	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC - Undervoltage release	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC - Undervoltage release	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC - Undervoltage release	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC - Undervoltage release	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC - Undervoltage release	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC - Undervoltage release	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC - Undervoltage release	S2C-UA 230 DC	1	piece
2CSS201997R0013	S2C-CM1 - Motor operating device	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3 - Motor operating device	S2C-CM2/3	1	piece
2CSS204997R0013	S2C-CM4 - Motor operating device	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH - Mechanical Accessories	S2C-DH	1	piece
2CSS200998R0001	S2C-BP - Mechanical tripping device	S2C-BP	1	piece
2CSS200999R0001	S2C-EST - Plug-in base	S2C-EST	1	piece
2CDS200918R0001	S2C-NT - Hand Operated Neutral	S2C-NT	1	piece
2CCA880100R0001	CMS-100PSSensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PSSensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PSSensor	CMS-102PS	1	piece

## Categorieën

Laagspanningsproducten en -systemen → Modulaire DIN rail producten → Installatieautomaten MCB's

