

PRODUCT-DETAILS

# S203M-C20

## S203M-C20 Miniature Circuit Breaker - 3P - C - 20 A



### Informations générales

Extension du type de produit	S203M-C20
Code de produit	2CDS273001R0204
EAN	4016779550468
Description courte	S203M-C20 Miniature Circuit Breaker - 3P - C - 20 A
Description longue	<p>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.</p>

### Technique

Normes et standards	IEC/EN 60898-1 CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
Tripping Characteristic	C
Tension	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC

	Minimum 12 V DC
Tension assignée d'isolement ( $U_i$ )	acc. to IEC/EN 60664-1 440 V
Tension assignée de tenue aux chocs ( $U_{imp}$ )	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Type de tension	AC/DC
Courant nominal ( $I_n$ )	20 A
Rated Short-Circuit Capacity	(AC) 10 kA (230 V AC) 10 kA (400 V AC) 10 kA
Pouvoir assigné de coupure ultime en court-circuit ( $I_{cu}$ )	(230 V AC) 25 kA (400 V AC) 15 kA (440 V AC) 15 kA
Rated Conditional Short-Circuit Current ( $I_{nc}$ )	(230 V) 15 kA (400 V) 25 kA
Pouvoir assigné de coupure de service en court-circuit ( $I_{cs}$ )	(230 V AC) 7.5 kA
Fréquence (f)	50 Hz
Fréquence assignée (f)	50 / 60 Hz
Power Loss	7.5 W at Rated Operating Conditions per Pole 2.5 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Classe de limitation d'énergie	3
Electrical Endurance	20000 AC cycle
Mechanical Endurance	20000 cycle
Nombre de pôles	3
Number of Protected Poles	3
Catégorie de Surtension	III
Product Range	S200M
Couple de serrage	2.8 N·m
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Qualité du matériau	Insulation Group II, RAL 7035
Montage sur rail DIN	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
Type d'encastrement	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Oui
Connecting Capacity	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>
Installation Size	acc. to DIN 43880 1

Type de borne	Screw Terminals
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## Environnement

Température de l'air ambiant	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Indice de protection	IP20 Enclosure with Cover IP40
Degré de pollution	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Résistance aux chocs selon CEI 60068-2-27	25g / 2 shocks / 13 ms
Statut RoHS	Following EU Directive 2011/65/EU
Informations environnementales	2CDK400030D0201

## Technique UL/CSA

Maximum Operating Voltage UL/CSA	125 V DC 480Y/277 V AC
Interrupting Rating acc. to UL1077	(125 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA
Connecting Capacity UL/CSA	Busbar 14-8 AWG Conductor 14-4 AWG
Tightening Torque UL/CSA	18 in-lb

## Dimensions

Width in Number of Modular Spacings	3
Produit Largeur Net	52.5 mm
Produit Hauteur Net	88 mm
Produit Longueur Net	69 mm
Poids net	0.375 kg
Pole Net Weight	0.125 kg
Profondeur d'encastrement (t <sub>2</sub> )	69 mm

## Emballage

Emballage Niveau 1 Unités	carton 1 pièce
Emballage Niveau 1 Largeur	92 mm

Emballage Niveau 1 Hauteur	80 mm
Emballage Niveau 1 Longueur	58 mm
Emballage Niveau 1 Poids	0.4 kg
Emballage Niveau 1 EAN	4016779605984
Emballage Niveau 2 Unités	carton 36 pièce
Emballage Niveau 2 Largeur	275 mm
Emballage Niveau 2 Hauteur	210 mm
Emballage Niveau 2 Longueur	400 mm
Emballage Niveau 2 Poids	13.9 kg
Emballage Niveau 2 EAN	4016779978187

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## Commande

Quantité minimum	1 pièce
Code douanier	85362010
E-Number (Finland)	3210814
E-Number (Sweden)	2101245
Pays d'origine	Germany (DE)

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## Certificats et Déclarations (Numéro de document)

Agence de certification	EN IEC
Déclaration de Conformité - CE	2CDK403001D0607
Informations environnementales	2CDK400030D0201
I <sup>pt</sup> Characteristic	9AKK107992A5102
Instructions et manuels	2CDS207104P0001
Informations RoHS	2CDK400003K0203

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## Popular Downloads

Fiche produit, informations techniques	9AKK107046A0423
Instructions et manuels	2CDS207104P0001
Schéma dimensionnel	2CDC022007F0010
I <sup>pt</sup> Characteristic	9AKK107992A5102
EPLAN Graphical Macro	9AKK106713A8196
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## Classifications

ETIM 7

EC000042 - Miniature circuit breaker (MCB)

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
Arborescence du catalogue EPLAN	Electrical engineering / Protection devices / General
EPLAN Function Definition	Circuit breaker / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_6
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
DEEE B2C / B2B	Business To Consumer
CN8	8536 20 10
UNSPSC	39121614
eClass	V11.0 : 27141901
Code de classification d'objet	F

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## Accessories

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

## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Disjoncteurs ≤63A SN201/S200



"Disjoncteur S200M 10kA