PRODUCT-DETAILS

S202M-C10

S202M-C10 Miniature Circuit Breaker - 2P - C - 10 A

Informations générales

Extension du type de produit	S202M-C10
Code de produit	2CDS272001R0104
EAN	4016779550284
Description courte	S202M-C10 Miniature Circuit Breaker - 2P - C - 10 A
Description longue	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.

Technique

Normes et standards	IEC/EN 60898-1 IEC/EN 60947-2
Type de produit	Miniature Circuit Breaker
Tripping Characteristic	C
Tension nominale (U_r)	400 V AC
Tension	acc. to IEC 60898-1 400 V AC acc. to IEC 60947-2 440 V AC
Operational Voltage	Maximum (Incl. Tolerance) 125 V DC

	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)	10 A
Rated Short-Circuit Capacity (I_{cn})	(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
Pourvoir 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	4.2 W at Rated Operating Conditions per Pole 2.1 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Classe de limitation d'énergie	3
Electrical Endurance	20000 AC cycle
	20000 cycle
Nombre de pôles	2
Number of Protected Poles	2
Catégorie de Surtension	III
Product Range	S200M
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
Qualité du matériau	Insulation Group II, RAL 7035
Mounting on 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
Type d'encastrement	Any
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 Stranded 0.75 ... 35 mm²

Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

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
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	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	2
Produit Largeur Net	35 mm
Produit Hauteur Net	88 mm
Produit Longueur Net	69 mm
Poids net	0.25 kg
Pole Net Weight	0.115 kg
Profondeur d'encastrement (t_2)	69 mm

Emballage

Emballage Niveau 1 Unités	carton 5 pièce
Emballage Niveau 1 Largeur	92 mm

Emballage Niveau 1 Hauteur	80 mm
Emballage Niveau 1 Longueur	183 mm
Emballage Niveau 1 Poids	1.3 kg
Emballage Niveau 1 EAN	4016779605656
Emballage Niveau 2 Unités	carton 60 pièce
Emballage Niveau 2 Largeur	275 mm
Emballage Niveau 2 Hauteur	210 mm
Emballage Niveau 2 Longueur	400 mm
Emballage Niveau 2 Poids	15.4 kg
Emballage Niveau 2 EAN	4016779977197

Commande

Quantité minimum	1 pièce
Code douanier	85362010
E-Number (Finland)	3210797
E-Number (Sweden)	2101225
Pays d'origine	Germany (DE)
Unité de mesure	pièce

Certificats et Déclarations (Numéro de document)

Certification Agency	EN IEC
Déclaration de Conformité - CE	2CDK403001D0607
Environmental Information	2CDK400030D0201
Instructions et manuels	2CDS207104P0001
RoHS Information	2CDK400003K0203

Downloads Préférés

Fiche produit, informations techniques	9AKK107046A0423
Instructions et manuels	2CDS207104P0001
EPLAN Graphical Macro	9AKK106713A8115
EPLAN Macro	9AKK106713A8105

Classifications

ETIM 6	EC000042 - disjoncteur
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General

EPLAN Function Definition	Circuit breaker / Double circuit-breaker / Double circuit breaker 1_2_3_4
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
Object Classification Code	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-100PS Sensor	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Sensor	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Sensor	CMS-102PS	1	piece

Lieu d'utilisation (comme pièce détachée d'un produit).

Identifier	Description	Quantity	Unit Of Measure
9AAC30400163	No Description Available	1	piece
9AAC30400421	No Description Available	1	piece
9AAC30403877	No Description Available	1	piece
9AAC30404896	No Description Available	1	piece
9AAF404899	No Description Available	1	piece
9AAF404900	No Description Available	1	piece
9AAF407277	No Description Available	1	piece
9AAF408067	No Description Available	1	piece

Product specific part data

Product	Category	Switchgear Part Category
9AAC30400163	SafePlus up to 24kV	Fuses
9AAC30400421	SafeRing up to 24kV	Fuses
9AAC30403877	SafeRing 36-40,5kV	Fuses
9AAC30404896	SafePlus 36-40,5kV	Fuses
9AAF404899	SafeRing Air up to 12kV	Fuses
9AAF404900	SafePlus Air up to 12kV	Fuses
9AAF407277	SafeRing AirPlus up to 24kV	Fuses
9AAF408067	SafePlus AirPlus up to 24kV	Fuses

Catégories

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

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Gas Insulated Secondary Switchgear (ecoGIS) → SafePlus (ecoGIS) → SafePlus Air up to 12kV

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Gas Insulated Secondary Switchgear (ecoGIS) → SafePlus (ecoGIS) → SafePlus AirPlus up to 24kV

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Gas Insulated Secondary Switchgear (ecoGIS) → Tableaux isolés dans le gaz de distribution secondaire → SafeRing Air up to 12kV

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Gas Insulated Secondary Switchgear (ecoGIS) → Tableaux isolés dans le gaz de distribution secondaire → SafeRing AirPlus up to 24kV

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Tableaux secondaires → SafePlus → SafePlus 36-40,5kV

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Tableaux secondaires → SafePlus → SafePlus up to 24kV

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Tableaux secondaires → Tableaux monoblocs isolés dans le gaz de distribution secondaire → SafeRing 36-40,5kV

Produits et Systèmes Moyenne Tension → Tableaux de distribution et démarrage moteur → Tableaux secondaires → Tableaux monoblocs isolés dans le gaz de distribution secondaire → SafeRing up to 24kV