PRODUCT-DETAILS

S204-B20

S204-B20 Miniature Circuit Breaker - 4P - B - 20 A

Informations générales

Extension du type de produit	S204-B20
Code de produit	2CDS254001R0205
EAN	4016779528993
Description courte	S204-B20 Miniature Circuit Breaker - 4P - B - 20 A
Description longue	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 characteristics (B,C,D,K,Z), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 6 kA at 230/400 V AC) and rated currents (up to 63A). All MCBs of the product range S200 comply with IEC/EN 60898-1, IEC/EN 60947-2, UL1077 allowing the use for residential, commercial and industrial applications. Bottom-fitting auxiliary contact can be mounted on S200 to save 50% space.

Technique

Normes et standards	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
Type de produit	Miniature Circuit Breaker
Tripping Characteristic	B
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) 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 (I_{cn})	(230 V AC) 6 kA (400 V AC) 6 kA
Pouvoir assigné de coupure ultime en court-circuit (I_{cu})	(230 V AC) 20 kA (400 V AC) 10 kA (440 V AC) 10 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 20 kA (400 V) 20 kA
Pourvoir assigné de coupure de service en court-circuit (I_{cs})	(230 V AC) 15 kA
Fréquence (f)	50 Hz
Fréquence assignée (f)	50 / 60 Hz
Power Loss	10 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
	20000 cycle
Nombre de pôles	4
Number of Protected Poles	4
Catégorie de Surtension	III
Product Range	S200
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	TH35-15 (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	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	110 V DC 480Y/277 V AC
Interrupting Rating acc. to UL1077	(110 V DC) 10 kA (277 V AC) 6 kA (480Y / 277 V AC) 6 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA	25 in·lb

Dimensions

Width in Number of Modular Spacings	4
Produit Largeur Net	70 mm
Produit Hauteur Net	88 mm
Produit Longueur Net	69 mm
Poids net	0.5 kg
Pole Net Weight	0.115 kg
Profondeur d'encastrement (t_2)	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	78 mm
Emballage Niveau 1 Poids	0.51 kg
Emballage Niveau 1 EAN	4016779610773
Emballage Niveau 2 Unités	carton 24 pièce
Emballage Niveau 2 Largeur	275 mm
Emballage Niveau 2 Hauteur	210 mm
Emballage Niveau 2 Longueur	395 mm
Emballage Niveau 2 Poids	11.92 kg
Emballage Niveau 2 EAN	4016779974851

Commande

Quantité minimum	1 pièce
Code douanier	85362010
E-Number (Finland)	3211026
Pays d'origine	Germany (DE)
Unité de mesure	pièce

Certificats et Déclarations (Numéro de document)

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

Downloads Préférés

Fiche produit, informations techniques	9AKK107046A0423
Instructions et manuels	2CDS207104P0001
EPLAN Graphical Macro	9AKK106713A7632
EPLAN Macro	9AKK106713A7622

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 / Quadruple circuit-breaker / Quadruple circuit-breaker 1_2_3_4_5_6_7_8
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 Signalkontakt / Hilfsschalter	S2C-S/H6R	1	piece
2CDS200912R0001	S2C-H6R Hilfskontakt	S2C-H6R	1	piece
2CDS200936R0001	S2C-H11L Hilfskontakt	S2C-H11L	1	piece
2CDS200936R0002	S2C-H20L Hilfskontakt	S2C-H20L	1	piece
2CDS200936R0003	S2C-H02L Hilfskontakt	S2C-H02L	1	piece
2CDS200946R0001	S2C-H6-11R Hilfskontakt	S2C-H6-11R	1	piece
2CDS200946R0002	S2C-H6-20R Hilfskontakt	S2C-H6-20R	1	piece
2CDS200946R0003	S2C-H6-02R Hilfskontakt	S2C-H6-02R	1	piece
2CDS200909R0001	S2C-A1 Arbeitsstromauslöser	S2C-A1	1	piece
2CDS200909R0002	S2C-A2 Arbeitsstromauslöser	S2C-A2	1	piece
2CSS200911R0001	S2C-UA 12 DC Unterspannungsauslöser	S2C-UA 12 DC	1	piece
2CSS200911R0002	S2C-UA 24 AC Unterspannungsauslöser	S2C-UA 24 AC	1	piece
2CSS200911R0003	S2C-UA 48 AC Unterspannungsauslöser	S2C-UA 48 AC	1	piece
2CSS200911R0004	S2C-UA 110 AC Unterspannungsauslöser	S2C-UA 110 AC	1	piece
2CSS200911R0005	S2C-UA 230 AC Unterspannungsauslöser	S2C-UA 230 AC	1	piece
2CSS200911R0006	S2C-UA 400 AC Unterspannungsauslöser	S2C-UA 400 AC	1	piece
2CSS200911R0007	S2C-UA 24 DC Unterspannungsauslöser	S2C-UA 24 DC	1	piece
2CSS200911R0008	S2C-UA 48 DC Unterspannungsauslöser	S2C-UA 48 DC	1	piece
2CSS200911R0009	S2C-UA 110 DC Unterspannungsauslöser	S2C-UA 110 DC	1	piece
2CSS200911R0010	S2C-UA 230 DC Unterspannungsauslöser	S2C-UA 230 DC	1	piece
2CSS201997R0013	S2C-CM1 Motorantrieb	S2C-CM1	1	piece
2CSS203997R0013	S2C-CM2/3 Motorantrieb	S2C-CM2/3	1	piece
2CSS204997R0013	S2C-CM4 Motorantrieb	S2C-CM4	1	piece
GHS2001901R0003	S2C-DH Drehantrieb	S2C-DH	1	piece
2CSS200998R0001	S2C-BP Mechanischer Auslöser	S2C-BP	1	piece
2CSS200999R0001	S2C-EST Stecksockel	S2C-EST	1	piece
2CDS200918R0001	S2C-NT Neutralleiter	S2C-NT	1	piece
2CCA880100R0001	CMS-100PS Strom-Messsystem Sensor 80A, 18mm für pro M compact u. SMISSLINE Control Unit + Zubehör wird benötigt	CMS-100PS	1	piece
2CCA880101R0001	CMS-101PS Strom-Messsystem Sensor 40A, 18mm für pro M compact u. SMISSLINE Control Unit + Zubehör wird benötigt	CMS-101PS	1	piece
2CCA880102R0001	CMS-102PS Strom-Messsystem Sensor 20A, 18mm für pro M compact u. SMISSLINE Control Unit + Zubehör wird benötigt	CMS-102PS	1	piece

Catégories

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