

PRODUCT-DETAILS

S201-K4

S201-K4 Miniature Circuit Breaker - 1P - K - 4 A



Informações gerais

Tipo de produto alargado	S201-K4
ID do produto	2CDS251001R0337
EAN	4016779507240
Descrição do catálogo	S201-K4 Miniature Circuit Breaker - 1P - K - 4 A
Descrição longa	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.

Technical

Normas	IEC/EN 60898-1 IEC/EN 60947-2 UL 1077
Tripping Characteristic	K
Tensão operacional nominal	acc. to IEC 60898-1 230 / 400 V AC acc. to IEC 60947-2 230 V AC
Operational Voltage	Maximum (Incl. Tolerance) 253 V AC Maximum (Incl. Tolerance) 72 V DC
Rated Insulation Voltage (U _i)	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand 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

Tipo de tensão de entrada	AC/DC
Corrente nominal (I_n)	4 A
Rated Short-Circuit Capacity	(AC) 6 kA (DC) 6 kA (230 V AC) 6 kA (400 V AC) 6 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(133 V AC) 20 kA (230 V AC) 10 kA (24 V DC) 20 kA (60 V DC) 10 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA (400 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(133 V AC) 15 kA (230 V AC) 7.5 kA
Frequência (f)	50 Hz
Frequência nominal (f)	50 / 60 Hz
Power Loss	1.7 W at Rated Operating Conditions per Pole 1.7 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Electrical Endurance	20000 AC cycle
Mechanical Endurance	20000 cycle
Número de polos	1
Number of Protected Poles	1
Overvoltage Category	III
Product Range	S200
Binário de aperto	2.8 N·m
Tipo de apoio	DIN-Rail
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Material da caixa	Insulation Group II, RAL 7035
Montagem na calha 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
Posição de montagem	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	Yes
Connecting Capacity	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ²
Installation Size	acc. to DIN 43880 1
Wire Stripping Length	12.5 mm
Tipo de terminal	Screw Terminals

Environmental

Temperatura do ar ambiente	Operation -25 ... +55 °C Storage -40 ... +70 °C
Grau de proteção	IP20 Enclosure with Cover IP40
Pollution Degree	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
Resistência ao Choque de acordo com IEC 60068-2-27	25g / 2 shocks / 13 ms
Estado RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Informação ambiental	2CDK400030D0201
SCIP	e6800e55-46b1-49a3-881b-0f66d0e903ad Germany (DE)

Technical UL/CSA

Maximum Operating Voltage UL/CSA	60 V DC 480Y / 277 V AC
Interrupting Rating acc. to UL1077	(277 V AC) 6 kA (60 V DC) 10 kA (120 V) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG
Tightening Torque UL/CSA	18 in-lb

Dimensions

Width in Number of Modular Spacings	1
Largura Líquida do Produto	17.5 mm
Altura Líquida do Produto	88 mm
Profundidade/Comprimento Líquido do Produto	69 mm
Peso Líquido do Produto	0.125 kg
Pole Net Weight	0.125 kg
Built-In Depth (t ₂)	69 mm

Container Information

Unidades de embalagem Nível 1	carton 10 piece
Largura da embalagem Nível 1	92 mm
Altura da embalagem Nível 1	80 mm
Profundidade/Comprimento da embalagem Nível 1	183 mm
Peso bruto da embalagem Nível 1	1.295 kg
Nível de Embalagem 1 EAN	4016779607063
Unidades de embalagem Nível 2	carton 120 piece
Largura da embalagem Nível 2	275 mm
Altura da embalagem Nível 2	210 mm
Profundidade/Comprimento da embalagem Nível 2	395 mm
Peso bruto da embalagem Nível 2	14.8 kg
Nível de Embalagem 2 EAN	4016779970914

Ordering

Quantidade Mínima de Encomenda	1 piece
Número de tarifa aduaneira	85362010
E-Number (Finland)	3210684
E-Number (Sweden)	2100693
Pais de origem	Germany (DE)

Certificates and Declarations (Document Number)

Agência de certificação	EN IEC UL
Declaração de conformidade -CE	2CDK403001D0607
Declaration of Conformity - UKCA	9AKK108467A5053
Informação ambiental	2CDK400030D0201
I st Characteristic	9AKK107992A5103
Instruções e Manuais	2CDS207104P0001
Informação RoHS	2CDK403001D0607

Popular Downloads

Ficha de dados, informação técnica	9AKK107991A8329
Instruções e Manuais	2CDS207104P0001
Diagrama de medidas	2CDC022007F0010
I st Characteristic	9AKK107992A5103
EPLAN Graphical Macro	9AKK106713A8095
EPLAN Macro	9AKK106713A8090

Classifications

ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
Árvore de Catálogo EPLAN	Electrical engineering / Protection devices / General
EPLAN Function Definition	Circuit breaker / Single circuit breaker / Circuit breaker 1_2
Categoria REEE	5. Small Equipment (No External Dimension More Than 50 cm)
REEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121614
eClass	V11.0 : 27141901
Código de classificação do objeto	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

Categorias

Produtos e Sistemas de Baixa Tensão → Produtos modulares para trilho DIN → Minidisjuntores

