



 PRODUCT-DETAILS

S204M-C50

S204M-C50 Miniature Circuit Breaker - 4P - C - 50 A



Informações gerais

Tipo de produto alargado	S204M-C50
ID do produto	2CDS274001R0504
EAN	4016779544030
Descrição do catálogo	S204M-C50 Miniature Circuit Breaker - 4P - C - 50 A

Descrição longa	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.
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ABB EcoSolutions

ABB EcoSolutions	Yes
EcoSolutions Profile	9AKK108469A3798

Circular Value

Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 90.6 %
Offered with Extended Lifetime	Product Durability
Offered with Takeback Services	Take Back for Recycling
End of Life Instructions	9AKK108468A3132

Eco Transparency

Environmental Product Declaration - EPD	9AKK108467A7833
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Technical

Normas	IEC/EN 60898-1 CSA 22.2 No. 235 IEC/EN 60947-2 UL 1077
Tripping Characteristic	C
Tensão operacional nominal	acc. to IEC 60898-1 400 V AC acc. to IEC 60898-1 400 V 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
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)	50 A
Rated Short-Circuit Capacity	(AC) 10 kA (230 V AC) 10 kA (400 V AC) 10 kA (400 V) 10 kA
Rated Ultimate Short- Circuit Breaking Capacity (I_{cu})	(230 V AC) 25 kA (400 V AC) 15 kA (440 V AC) 15 kA (230 V) 25 kA (400 V) 15 kA
Rated Conditional Short- Circuit Current (I_{nc})	(230 V) 10 kA (400 V) 20 kA
Rated Service Short- Circuit Breaking Capacity (I_{cs})	(230 V AC) 7.5 kA
Frequência (f)	50 Hz
Frequência nominal (f)	50 / 60 Hz
Power Loss	13 W at Rated Operating Conditions per Pole 3.25 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	10000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	4
Número de polos	4
Overvoltage Category	III
Binário de aperto	2.8 N·m

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 Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ²
Installation Size	acc. to DIN 43880 1
Tipo de terminal	Screw Terminals

Material Compliance

Informação RoHS	2CDK400003K0203
Estado RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Data RoHS	20161001
REACH Declaration	9AKK108468A9644
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20231212
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Temperatura do ar ambiente	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Grau de proteção	IP20 IP40 Enclosure with Cover IP40
Pollution Degree	3
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Resistance to Vibrations	20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz
Resistência ao Choque de acordo com IEC 60068-2-27	25g 2 shocks 13 ms

Technical 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	4
Largura Líquida do Produto	70 mm
Altura Líquida do Produto	88 mm
Profundidade/Comprimento Líquidos do Produto	69 mm
Peso Líquido do Produto	0.5 kg
Pole Net Weight	0.125 kg
Built-In Depth (t ₂)	69 mm
Diagrama de medidas	2CDC022007F0010

Ordering

Unidades de embalagem Nível 1	carton 1 piece
Peso bruto da embalagem Nível 1	0.51 kg
E-Number (Sweden)	2101269

Certificates and Declarations

Agência de certificação	EN IEC
Declaração de conformidade -CE	2CDK403001D0607
Declaration of Conformity - UKCA	9AKK108467A5053
† Characteristic	9AKK107992A5102

Installation

Instruções e Manuais	2CDS207104P0002
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Popular Downloads

Ficha de dados, informação técnica	9AKK107046A0423
† Characteristic	9AKK107992A5102

Classifications

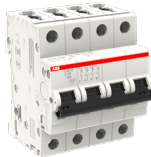
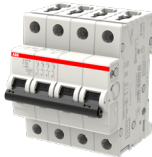
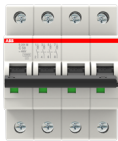
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
Categoria REEE	5. Small Equipment (No External Dimension More Than 50 cm)
REEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121603
eClass	V11.0 : 27141901
Código de Categoria Granular IDEA (IGCC)	4897 >> Miniature circuit breakers
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
2CDS200970R0031	S2C-H01 Auxiliary Contact	S2C-H01	1	piece
2CDS200970R0032	S2C-H10 Auxiliary Contact	S2C-H10	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
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 → Miniature Circuit Breakers MCBs → Minidisjuntores



360°

