



PRODUCT-DETAILS

SH203T-C20NA

Miniature Circuit Breaker - SH200T - 3P+N - 20 A - C



Informações gerais	
Tipo de produto alargado	SH203T-C20NA
ID do produto	2CDS233103R0204
EAN	4016779632683
Descrição do catálogo	Miniature Circuit Breaker - SH200T - 3P+N - 20 A - C
Descrição longa	Compact Home SH200T 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), configurations (1P,1P+N,2P,3P,3P+N,4P), breaking capacities (up to 3 kA at 230/400 V AC) and rated currents (up to 40 A). All MCBs of the product range SH200T comply with IEC/EN 60898-1, allowing the use for residential applications.

ABB EcoSolutions	
Environmental Product Declaration - EPD	9AKK108468A1580 9AKK108468A8288

Technical

Tripping Characteristic	C
Tensão operacional nominal	acc. to IEC 60898-1 400 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC
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
Corrente nominal (I _n)	20 A
Rated Short-Circuit Capacity	(AC) 3 kA (400 V AC) 3 kA (400 V) 3 kA
Rated Conditional Short-Circuit Current (I _{nc})	(230 V) 3 kA (400 V) 3 kA
Frequência nominal (f)	50 / 60 Hz
Power Loss	10 W at Rated Operating Conditions per Pole 2.5 W
Power Supply Connection	Arbitrary
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Electrical Endurance	20000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Número de polos	3P+N
Overvoltage Category	III
Position of Neutral Terminals	Right
Binário de aperto	2 N·m
Actuator Type	Toggle
Screw Terminal Type	Cage 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	Não
Connecting Capacity	Conductor 25 / 25 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
Installation Size	acc. to DIN 43880 1
Tipo de terminal	Screw Terminals

Material Compliance

Informação RoHS	2CDK400030D0201
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Estado RoHS	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
Data RoHS	0335
REACH Declaration	9AKK107492A1906
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
Categoria REEE	5. Small Equipment (No External Dimension More Than 50 cm)
REEE B2C / B2B	Business To Business

Environmental

Temperatura do ar ambiente	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Grau de proteção	IP20 Enclosure with Cover IP40
Pollution Degree	2
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
Informação ambiental	2CDK400030D0201

Dimensions

Width in Number of Modular Spacings	4.0
Largura Líquida do Produto	70 mm
Altura Líquida do Produto	85 mm
Profundidade/Comprimento Líquidos do Produto	69 mm
Peso Líquido do Produto	0.5 kg
Pole Net Weight	0.115 kg
Built-In Depth (t ₂)	69 mm

Ordering

Unidades de embalagem Nível 1	carton 1 piece
Peso bruto da embalagem Nível 1	0.51 kg

Certificates and Declarations

Declaração de conformidade -CE	2CDK400607D2703
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Installation	
Instruções e Manuais	2CDS207105P0001

Popular Downloads	
Ficha de dados, informação técnica	2CSC400030D0202

External Classifications and Standards	
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
Código de Categoria Granular IDEA (IGCC)	4897 >> Miniature circuit breakers
Código de classificação do objeto	F
Normas	IEC/EN 60898-1
Agência de certificação	EN IEC

Categorias	
Produtos e Sistemas de Baixa Tensão → Produtos modulares para trilho DIN → Miniature Circuit Breakers MCBs → Minidisjuntores → SH200T	

