

PRODUCT-DETAILS

# SH203-C20

## SH203-C20 Interruptor automático - 3P - C - 20 A



### Información General

Tipo de producto extendido	SH203-C20
Código de producto	2CDS213001R0204
EAN	4016779631358
Descripción corta	SH203-C20 Interruptor automático - 3P - C - 20 A
Descripción larga	<p>Compact Home SH200 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.</p> <p>They are available in different characteristics (B,C), 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 40 A). All MCBs of the product range SH200 comply with IEC/EN 60898-1, allowing the use for residential applications.</p>

### Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	C
Rated Voltage ( $U_r$ )	400 V AC
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC
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
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	20 A
Rated Short-Circuit Capacity (I <sub>cn</sub> )	(AC) 6 kA (400 V AC) 6 kA
Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	(230 V) 6 kA (400 V) 6 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	7.5 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 20000 cycle
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	III
Product Range	SH200
Tightening Torque	2 N·m
Actuator Type	Toggle
Screw Terminal Type	Cage Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	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
Mounting Position	Any
Recommended Screw Driver	Pozidriv 2
Accessories Available	No
Connecting Capacity	Conductor 25 / 25 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup> Flexible 0.75 ... 16 mm <sup>2</sup> Rigid 0.75 ... 25 mm <sup>2</sup> Stranded 0.75 ... 25 mm <sup>2</sup>
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

## Ambiente

Temperatura ambiente	Funcionamiento -25 ... +55 °C Almacenamiento -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Grado de protección	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 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

## Dimensiones

Width in Number of Modular Spacings	3
Ancho del product	52.5 mm
Alto del producto	85 mm
Largo del product	69 mm
Peso del product	0.375 kg
Pole Net Weight	0.115 kg
Built-In Depth (t <sub>2</sub> )	69 mm

## Información de Embalaje

Embalaje Nivel 1 Unidades	carton 1 piece
Embalaje Nivel 1 Ancho	92 mm
Embalaje Nivel 1 Alto	80 mm
Embalaje Nivel 1 Largo	58 mm
Embalaje Nivel 1 Peso	0.4 kg
Embalaje Nivel 1 EAN	4016779631358
Package Level 2 Units	carton 36 piece
Package Level 2 Width	275 mm
Package Level 2 Height	210 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Gross Weight	14.8 kg
Package Level 2 EAN	4016779990806

## Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85362010
E-Number (Finland)	3210170
Country of Origin	Germany (DE)

## Certificados y Declaraciones (Número de Documento)

Certification Agency	EN IEC
Declaración de conformidad - CE	9AKK107046A5460
Environmental Information	2CDK400030D0201
Instrucciones y manuales	No document needed
RoHS Information	2CDK400030D0201

## Descargas Populares

Ficha técnica, información técnica	2CSC400030D0202
Instrucciones y manuales	No document needed

## Clasificaciones

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 / Triple circuit breaker / Triple circuit breaker 1_2_3_4_5_6
Categoría RAEE	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	8536 20 10
UNSPSC	39121614
eClass	V11.0 : 27141901
Object Classification Code	F

## Categorías

Productos y sistemas de baja tensión → Aparatos modulares de instalación → Interruptores automáticos modulares

