



**Automatización Eléctrica**

Especialistas en Automatización

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## General Information

Extended Product Type:	SH203-C40NA
Product ID:	2CDS213103R0404
EAN:	4016779631648
Catalog Description:	Miniature Circuit Breaker - SH200 - 4P - C - 40 A
Long Description:	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. 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.

## Categories

Products » Low Voltage Products and Systems » Modular DIN Rail Products » Miniature Circuit Breakers MCBs

## Ordering

EAN:	4016779631648
Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

## Dimensions

Product Net Width:	70 mm
Product Net Depth:	69 mm
Product Net Height:	85 mm
Product Net Weight:	0.5 kg

## Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 1 Length:	78 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	0.51 kg
Package Level 2 EAN:	4016779990516

## Environmental

Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °C
Resistance to Shock acc. to IEC 60068-2-27:	25g / 2 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6:	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions:	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Technical

Standards:	IEC/EN 60898-1
Number of Poles:	4
Tripping Characteristic:	C
Rated Current ( $I_n$ ):	40 A
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC
Power Loss:	19.2 W at Rated Operating Conditions per Pole 4.8 W
Rated Insulation Voltage ( $U_i$ ):	acc. to IEC/EN 60664-1 440 V
Operational Voltage:	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC
Rated Frequency (f):	50 Hz 60 Hz
Rated Short-Circuit Capacity ( $I_{cn}$ ):	6 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	2

<b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
<b>Dielectric Test Voltage:</b>	50 / 60 Hz, 1 min: 2 kV
<b>Housing Material:</b>	Insulation Group II, RAL 7035
<b>Actuator Type:</b>	Insulation group II, black, sealable
<b>Contact Position Indication:</b>	ON / OFF
<b>Degree of Protection:</b>	IP20
<b>Remarks:</b>	IP40 in enclosure with cover
<b>Electrical Endurance:</b>	10000 AC cycle
<b>Mechanical Endurance:</b>	20000 cycle
<b>Terminal Type:</b>	Screw Terminals
<b>Screw Terminal Type:</b>	Cage Terminal
<b>Connecting Capacity:</b>	Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 25 mm <sup>2</sup> Stranded 0.75 ... 25 mm <sup>2</sup>
<b>Tightening Torque:</b>	2 N·m
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Mounting on DIN Rail:</b>	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
<b>Mounting Position:</b>	Any

#### Certificates and Declarations (Document Number)

<b>Declaration of Conformity - CE:</b>	2CDK403003D0401
<b>RoHS Information:</b>	2CDK400003K0201

#### Classifications

<b>eClass:</b>	7.0 27141901
<b>ETIM 4:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 5:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>Object Classification Code:</b>	F
<b>UNSPSC:</b>	39121614





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Product	Code	Reference	Product link
Miniature Circuit Breaker - SH200 - 4P - C - 40 A	2CDS213103R0404	SH203-C40NA	<a href="#">Buy on EAN</a>