SH203-C16

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

General Information

Extended Product Type:	SH203-C16
Product ID:	2CDS213001R0164
EAN:	4016779631334
Catalog Description:	Miniature Circuit Breaker - SH200 - 3P - C - 16 ampere
Long Description:	Compact Home SH200 miniature circuit breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mech anism 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 a t 230/400 V AC) and rated currents (up to 40 A). All MCBs of the product r ange SH200 comply with IEC/EN 60898-1, allowing the use for residential applications.

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85362010

Popular Downloads

Data Sheet, Technical Information:	2CSC400003B0202
Instructions and Manuals:	2CSC400003B0202

Dimensions

Product Net Width:	52.5 mm
Product Net Depth / Length:	69 mm
Product Net Height:	85 mm
Product Net Weight:	0.375 kg

Technical

Standards:	IEC/EN 60898-1
Number of Poles:	3
Tripping Characteristic:	C
Rated Current (I_n):	16 A
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC
Power Loss:	7.5 W at Rated Operating Conditions per Pole 2.5 W
Rated Insulation Voltage (U_i):	acc. to IEC/EN 60664-1 440 V

Operational Voltage:	Maximum (Incl. Tolerance) 440 V AC Maximum 440 V AC Minimum 12 V AC
Rated Frequency (f):	50 Hz 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	(400 V AC) 6 kA
Energy Limiting Class:	3
Overvoltage Category:	III
Pollution Degree:	2
Rated Impulse Withstand Voltage (U_{imp}):	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
Dielectric Test Voltage:	50 / 60 Hz, 1 min: 2 kV
Housing Material:	Insulation Group II, RAL 7035
Actuator Type:	Toggle
Contact Position Indication:	ON / OFF
Degree of Protection:	IP20
Remarks:	IP40 in enclosure with cover
Electrical Endurance:	20000 AC cycle
Mechanical Endurance (N_{endu}):	20000 cycle
Terminal Type:	Screw Terminals
Screw Terminal Type:	Cage Terminal
Connecting Capacity:	Conductor 25 / 25 mm² Flexible with Ferrule 0.75 ... 16 mm² Flexible 0.75 ... 16 mm² Rigid 0.75 ... 25 mm² Stranded 0.75 ... 25 mm²
Tightening Torque:	2 N·m
Recommended Screw Driver:	Pozidriv 2
Mounting on DIN Rail:	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
Mounting Position:	Any

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

Certificates and Declarations (Document Number)

Declaration of Conformity - CE:	2CDK400607D2703
Environmental Information:	2CDK400030D0201
Instructions and Manuals:	2CSC400003B0202
RoHS Information:	2CDK400003K0201

Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 1 Depth / Length:	58 mm
Package Level 1 Height:	80 mm
Package Level 1 Gross Weight:	0.4 kg
Package Level 1 EAN:	4016779631334
Package Level 2 EAN:	4016779990820

Classifications

Object Classification Code:	F
E-nummer:	2100488
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
ETIM 7:	EC000042 - Miniature circuit breaker (MCB)
eClass:	7.0 27141901
UNSPSC:	39121614


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