Miniature Circuit Breakers

SH201-C16

ABB contact for Malaysia
Low Voltage

General Information

Extended Product Type:	SH201-C16
Product ID:	2CDS211001R0164
EAN:	4016779630641

Catalog Description:

Miniature Circuit Breakers MCBs - SH200 - Number of Poles 1 - Tripping characteristic C - Rated Current 16.00 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

Extended Product Type:	SH201-C16
Product ID:	2CDS211001R0164
EAN:	4016779630641
Minimum Order Quantity:	1 piece
Country of Origin:	Germany (DE)

Container Information

Package Level 1 Units:	10 piece
Package Level 1 Width:	92.0 mm
Package Level 1 Length:	183.0 mm
Package Level 1 Height:	80.0 mm
Package Level 1 Gross Weight:	1.300 kg

Dimensions

Product Net Width:	17.5 mm
Product Net Depth:	69.0 mm
Product Net Height:	85.0 mm
Product Net Weight:	0.125 kg

Technical

Standards:	IEC/EN 60898-1
Number of Poles:	1
Tripping Characteristic:	C
Rated Current (I_n):	16.00 A
Rated Operational Voltage (U_e):	230 / 400 V AC
Rated Insulation Voltage (U_i):	Phase to Ground 250 V AC Phase to Phase 500 V AC
Operational Voltage:	Maximum 253 V AC Minimum 12 V AC
Rated Frequency (f_r):	50 / 60 Hz
Rated Short-Circuit Capacity (I_{cn}):	6.0 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:	Insulation group II, black, sealable
Actuator Marking:	I / O
Contact Position Indication:	ON / OFF
Degree of Protection:	IP20
Remarks:	IP40 in enclosure with cover
Electrical Endurance (N_{elec}):	20000 ops. cycle
Mechanical Endurance (N_{endu}):	20,000 cycle
Terminal Type:	Screw Terminals
Screw Terminal Type:	Cable Clamp
Connecting Capacity:	Conductors: 25 / 25 mm² Rigid 0.75...25 mm² Stranded 0.75...25 mm² Flexible 0.75...16 mm² Flexible with Ferrule 0.75...16 mm²
Tightening Torques:	2 N·m
Recommended Screw Driver:	Pozidrive 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
Reference Temperature for Tripping Characteristics:	30 °C
Resistance to Shock acc. to IEC 60068-2-27:	25g, 3 shocks, 11 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:	2CDK403003D0401
Environmental Information:	2CDK400030D0201
RoHS Information:	2CDK400003K0201

Classifications

E-nummer:	E2100478

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