PRODUCT-DETAILS

SH202-C3

Miniature Circuit Breaker - SH200 - 2P - C - 3 ampere



General Information

Extended Product Type	SH202-C3
Product ID	2CDS212001R0034
EAN	4016779631013
Catalog Description	Miniature Circuit Breaker - SH200 - 2P - C - 3 ampere
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.

Technical

Standards	IEC/EN 60898-1
Number of Poles	2
Number of Protected Poles	2
Tripping Characteristic	C
Rated Current (I_n)	3 A
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC
Rated Voltage (U_r)	400 V AC
Power Loss	2.6 W at Rated Operating Conditions per Pole 1.3 W
Rated Insulation Voltage	acc. to IEC/EN 60664-1 440 V

(U_i)	
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
Actuator Material	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	20000 AC cycle
	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
Built-In Depth (t_2)	69 mm
Installation Size	acc. to DIN 43880 1
Power Supply Connection	Arbitrary

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °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 2011/65/EU

Dimensions

Product Net Width	35 mm

Product Net Depth / Length	69 mm
Product Net Height	85 mm
Product Net Weight	0.25 kg

Container Information

Package Level 1 Units	carton 5 piece
Package Level 1 Width	92 mm
Package Level 1 Depth / Length	183 mm
Package Level 1 Height	80 mm
Package Level 1 Gross Weight	1.3 kg
Package Level 2 Units	60 piece
Package Level 2 EAN	4016779987578

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK107046A5460
Environmental Information	2CDK400030D0201
Instructions and Manuals	Printed on packaging
RoHS Information	2CDK400030D0201

Popular Downloads

Data Sheet, Technical Information	2CSC400030D0202
Instructions and Manuals	Printed on packaging

Classifications

Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
eClass	V11.0 : 27141901
UNSPSC	39121614

Categories

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

