

SH203L-C40



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

General Information

Extended Product Type:	SH203L-C40
Product ID:	2CDS243001R0404
EAN:	4016779633598
Catalog Description:	Miniature Circuit Breaker - SH200L - 3P - C
Long Description:	Compact Home SH200L 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 4,5 kA at 230/400 V AC) and rated currents (up to 40 A). All MCBs of the product range SH200L comply with IEC/EN 60898-1, allowing the use for residential applications.

Additional Information

Actuator Material:	Insulation Group II, Black, Sealable
Actuator Type:	Toggle
Ambient Air Temperature:	Operation -25 ... +55 °C Storage -40 ... +70 °C
Built-In Depth (t₂):	69 mm
Connecting Capacity:	Conductor 25 / 25 mm ² Flexible with Ferrule 0.75 ... 16 mm ² Flexible 0.75 ... 16 mm ² Rigid 0.75 ... 25 mm ² Stranded 0.75 ... 25 mm ²
Contact Position Indication:	ON / OFF
Country of Origin:	Germany (DE)
Customs Tariff Number:	85362010
Data Sheet, Technical Information:	2CSC400030D0203
Declaration of Conformity - CE:	2CDK400607D2703
Degree of Protection:	IP20
Dielectric Test Voltage:	50 / 60 Hz, 1 min: 2 kV
EAN:	4016779633598
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
ETIM 4:	EC000042 - Miniature circuit breaker (MCB)
ETIM 5:	EC000042 - Miniature circuit breaker (MCB)
ETIM 6:	EC000042 - Miniature circuit breaker (MCB)
Electrical Endurance:	10000 AC cycle
Energy Limiting Class:	3
Environmental Conditions:	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
Environmental Information:	2CDK400030D0201
Housing Material:	Insulation Group II, RAL 7035
Industrial IT Certification Level:	0
Installation Size:	acc. to DIN 43880 1
Instructions and Manuals:	2CSC400030D0203
Invoice Description:	SH203L-C 40 MiniCircuitBreaker C-Char.,4,5kA,40A,3P
Mechanical Endurance:	20000 cycle
Minimum Order Quantity:	1 piece

Mounting Position:	Any
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
Number of Poles:	3
Number of Protected Poles:	3
Object Classification Code:	F
Operational Voltage:	Maximum (Incl. Tolerance) 440 V AC Maximum 440 V AC Minimum 12 V AC
Overvoltage Category:	III
Package Level 1 EAN:	4016779633598
Package Level 1 Gross Weight:	0.4 kg
Package Level 1 Height:	80 mm
Package Level 1 Length:	58 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	92 mm
Package Level 2 EAN:	4016779988568
Pole Net Weight:	0.115 kg
Pollution Degree:	2
Power Loss:	14.4 W at Rated Operating Conditions per Pole 4.8 W
Power Supply Connection:	Arbitrary
Product Main Type:	SH200L
Product Name:	Miniature Circuit Breaker
Product Net Depth:	69 mm
Product Net Height:	85 mm
Product Net Weight:	0.375 kg
Product Net Width:	52.5 mm
Product Range:	SH200L
Rated Current (I_n):	40 A
Rated Frequency (f):	50 Hz 60 Hz
Rated Impulse Withstand Voltage (U_{imp}):	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
Rated Insulation Voltage (U_i):	acc. to IEC/EN 60664-1 440 V
Rated Operational Voltage:	acc. to IEC 60898-1 400 V AC
Rated Short-Circuit Capacity (I_{cn}):	(400 V AC) 4.5 kA
Rated Voltage (U_r):	400 V AC
Recommended Screw Driver:	Pozidriv 2
Reference Ambient Air Temperature:	30 °C
Remarks:	IP40 in enclosure with cover
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
RoHS Date:	0335
RoHS Information:	2CDK400003K0201
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Screw Terminal Type:	Cage Terminal
Selling Unit of Measure:	piece

Original Manufacturer:	ABB
Short Description:	SH203L-C 40 MiniCircuitBreaker
Standards:	IEC/EN 60898-1
Terminal Type:	Screw Terminals
Tightening Torque:	2 N·m
Tripping Characteristic:	C
UNSPSC:	39121614
Width in Number of Modular Spacings:	3
eClass:	7.0 27141901
Accessories Available:	No
Actuator Marking:	I / O

