



PRODUCT-DETAILS

SH201-C40

Miniature Circuit Breaker - SH200 - 1P - 40 A - C - (AC) 6 kA



General Information	
Extended Product Type:	SH201-C40
Product ID:	2CDS211001R0404
EAN:	4016779630726
Catalog Description:	Miniature Circuit Breaker - SH200 - 1P - 40 A - C - (AC) 6 kA
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.
Display Name:	SH201-C40

ABB EcoSolutions	
ABB EcoSolutions:	Yes
EcoSolutions Profile:	9AKK108471A1003

Recyclability Rate of the Product acc. to EN45555: Design for Closing Resource Loops - Standard EN45555 - 92.1 %

ABB Site Meeting Group Waste To Landfill Target: No non-hazardous waste is sent to a landfill

Extended Product Lifetime: Product Durability

End Of Life Disassembling Instructions: 9AKK108468A3121

Environmental Product Declaration - EPD: 9AKK108468A1580

Technical

Dielectric Test Voltage:	50 / 60 Hz - 1 min 2 kV
Power Supply Connection:	Arbitrary
Contact Position Indication:	ON / OFF
Energy Limiting Class:	3
Electrical Endurance:	10000 AC cycle
Mechanical Endurance:	20000 cycle
Number of Protected Poles:	1
Number of Poles:	1P
Tightening Torque:	2 N·m
Actuator Type:	Toggle
Screw Terminal Type:	Cage Terminal
Actuator Marking:	I / O
Actuator Material:	Insulation Group II, Black, Sealable
Recommended Screw Driver:	Pozidriv 2
Accessories Available:	No
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
Installation Size:	acc. to DIN 43880 1
Terminal Type:	Screw Terminals

Electrical

Tripping Characteristic:	C
Rated Operational Voltage:	acc. to IEC 60898-1 230 V AC
Operational Voltage:	Maximum (Incl. Tolerance) 253 V AC Minimum 12 V AC
Rated Insulation Voltage (U_i):	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U_{imp}):	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Input Voltage Type:	AC
Rated Current (I_n):	40 A

Rated Short-Circuit Capacity: (AC) 6 kA
(230 / 400 V AC) 6 kA
(230 V) 6 kA

Rated Conditional Short-Circuit Current (I_{nc}): (230 V) 6 kA

Rated Frequency (f): 50 / 60 Hz

Power Loss: 4.8 W
at Rated Operating Conditions per Pole 4.8 W

Overvoltage Category: III

Design

Housing Material: Insulation Group II, RAL 7035

Material Compliance

RoHS Declaration: 9AKK108472A0372

RoHS Information: Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

RoHS Date: 20251203

REACH Declaration: 9AKK107492A1906

REACH Information: False - does not contain substances > 0.1 mass percentage

REACH Date: 20251029

Conflict Minerals Reporting Template (CMRT): 9AKK108468A3363

Toxic Substances Control Act - TSCA: 9AKK108468A8104

WEEE Category: 5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B: Business To Business

Environmental

Ambient Air Temperature: Operation -25 ... +55 °C
Storage -40 ... +70 °C

Reference Ambient Air Temperature: 30 °C

Degree of Protection: IP20
Enclosure with Cover IP40

Pollution Degree: 2

Environmental Conditions: 28 cycles
with 55 °C / 90-96 %
and 25 °C / 95-100 %

Resistance to Vibrations: 20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz

Resistance to Shock acc. to IEC 60068-2-27: 25g 2 shocks 13 ms

Environmental Information: 2CDK400030D0201

Dimensions

Width in Number of Modular Spacings:	1
Product Net Width:	17.5 mm
Product Net Height:	85 mm
Product Net Depth / Length:	69 mm
Product Net Weight:	0.11 kg
Pole Net Weight:	0.125 kg
Built-In Depth (t₂):	69 mm

Ordering

Package Level 1 Units:	carton 10 piece
Package Level 1 Gross Weight:	1.14 kg
E-Number (Finland):	3210953

Certificates and Declarations

Declaration of Conformity - CE:	2CDK400607D2703
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Installation

Instructions and Manuals:	2CDS207105P0001
Mounting on DIN Rail:	TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715
Mounting Position:	any

Popular Downloads

Data Sheet, Technical Information:	2CSC400030D0202
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External Classifications and Standards

ETIM 9:	EC000042 - Miniature circuit breaker (MCB)
ETIM 10:	EC000042 - Miniature circuit breaker (MCB)
UNSPSC:	39121603
eClass:	V11.0 : 27141901
IDEA Granular Category Code (IGCC):	4897 >> Miniature circuit breakers
Object Classification Code:	F
Standards:	IEC/EN 60898-1
Certification Agency:	EN IEC

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Miniature Circuit Breakers MCBs > Miniature Circuit Breakers MCBs > SH200




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