

ABB SH202-C50 — product data sheet (new.abb.com)

Source: <https://new.abb.com/products/2CDS212001R0504/sh202-c50> — official ABB product page (Data Sheet tab); order code 2CDS212001R0504, EAN 4016779699785

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Identification

Extended Product Type	SH202-C50
Product ID	2CDS212001R0504
EAN	4016779699785
Catalog Description	Miniature Circuit Breaker - SH200 - 2P - 50 A - C - (AC) 6 kA
Long Description	SH202-C50 Miniature Circuit Breaker - 2P - C - 50 A

Electrical data

Rated Current (In)	50 A
Rated Operational Voltage	acc. to IEC 60898-1 400 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC
Rated Insulation Voltage (Ui)	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (Uimp)	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Dielectric Test Voltage	50 / 60 Hz - 1 min 2 kV
Rated Frequency (f)	50 / 60 Hz
Input Voltage Type	AC
Tripping Characteristic	C
Rated Short-Circuit Capacity	(AC) 6 kA (400 V AC) 6 kA
Energy Limiting Class	3
Number of Poles	2P
Number of Protected Poles	2
Electrical Endurance	10000 AC cycle
Mechanical Endurance	20000 cycle
Power Loss	6.5 W at Rated Operating Conditions per Pole 3.25 W
Overvoltage Category	III
Pollution Degree	2

Design and connection

Power Supply Connection	Arbitrary
Contact Position Indication	ON / OFF
Actuator Type	Toggle
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
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
Accessories Available	No
Installation Size	acc. to DIN 43880 1
Housing Material	Insulation Group II, RAL 7035
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

Width in Number of Modular Spacings	2
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Operating conditions

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
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

Dimensions, weight, packaging

Product Net Width	35 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Built-In Depth (t2)	69 mm
Product Net Weight	0.22 kg
Pole Net Weight	0.125 kg
Package Level 1 Units	carton 5 piece
Package Level 1 Gross Weight	1.14 kg

Standards, certification, classification

Standards	IEC/EN 60898-1
Certification Agency	EN IEC
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
ETIM 10	EC000042 - Miniature circuit breaker (MCB)
eClass	V11.0 : 27141901
UNSPSC	39121603
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F
RoHS Information	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
REACH Information	False - does not contain substances > 0.1 mass percentage
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
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 is Enhanced

Manufacturer documents (ABB Library IDs)

Instructions and Manuals	2CDS207105P0001
Data Sheet, Technical Information	2CSC400030D0202
Declaration of Conformity - CE	2CDK400607D2703
ABB EcoSolutions Profile	9AKK108471A1003
End Of Life Disassembling Instructions	9AKK108468A3121
Environmental Product Declaration - EPD	9AKK108468A1580
RoHS Declaration	9AKK108472A0372
REACH Declaration	9AKK107492A1906
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
Toxic Substances Control Act - TSCA	9AKK108468A8104

Manufacturer per EU Declaration of Conformity: ABB STOTZ-KONTAKT GmbH, Eppelheimer Str. 82, 69123 Heidelberg, Німеччина.