PRODUCT-DETAILS

SH204M-C50

Miniature Circuit Breaker - SH200M - 4P - 50 A - C - (AC) 10 kA



Submitted by TECO Group

General Information

Extended Product Type	SH204M-C50
Product ID	2CDS274011R0504
EAN	4016779703062
Catalog Description	Miniature Circuit Breaker - SH200M - 4P - 50 A - C - (AC) 10 kA
Long Description	SH204M-C50 Miniature Circuit Breaker - 4P - C - 50 A

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
End Of Life Disassembling Instructions	9AKK108468A3121
Environmental Product Declaration - EPD	9AKK108468A1580

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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	4
Number of Poles	4P
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	Yes
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
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

Electrical

Tripping Characteristic	C
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 (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)	50 A
Rated Short-Circuit Capacity	(AC) 10 kA (400 V AC) 10 kA (400 V) 10 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA (400 V) 10 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	13 W at Rated Operating Conditions per Pole 3.25 W
Overvoltage Category	III

Design

Housing Material	Insulation Group II, RAL 7035

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Material Compliance

RoHS Information	2CDK400030D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
REACH Declaration	9AKK107492A1906
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240821
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
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

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Dimensions

Width in Number of Modular Spacings	4.0
Product Net Width	70 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.5 kg
Pole Net Weight	0.115 kg
Built-In Depth (t_2)	69 mm

Ordering

Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	0.51 kg

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

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
Standards	IEC/EN 60898-1
Certification Agency	EN IEC

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Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs → SH200M



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