

PRODUCT-DETAILS

# SH203-C50

## SH203-C50 Miniature Circuit Breaker - 3P - C - 50 A



### General Information

Extended Product Type	SH203-C50
Product ID	2CDS213001R0504
EAN	4016779701303
Catalog Description	SH203-C50 Miniature Circuit Breaker - 3P - C - 50 A
Long Description	SH203-C50 MiniCircuitBreaker

### Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	C
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Minimum 12 V AC
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	4 kV at 2000 m 5 kV at Sea Level 6.2 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Input Voltage Type	AC
Rated Current (I <sub>n</sub> )	50 A
Rated Short-Circuit Capacity (I <sub>cn</sub> )	(AC) 6 kA (400 V AC) 6 kA
Rated Conditional Short-	(230 V) 6 kA

Circuit Current (I <sub>nc</sub> )	(400 V) 6 kA
Rated Frequency (f)	50 / 60 Hz
Power Loss	9.75 W at Rated Operating Conditions per Pole 3.25 W
Power Supply Connection	Arbitrary
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Electrical Endurance	10000 AC cycle 20000 cycle
Number of Poles	3
Number of Protected Poles	3
Overvoltage Category	III
Tightening Torque	2 N·m
Actuator Type	Toggle
Screw Terminal Type	Cage Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
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
Recommended Screw Driver	Pozidriv 2
Accessories Available	No
Connecting Capacity	Conductor 25 / 25 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 16 mm <sup>2</sup> Flexible 0.75 ... 16 mm <sup>2</sup> Rigid 0.75 ... 25 mm <sup>2</sup> Stranded 0.75 ... 25 mm <sup>2</sup>
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

## 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 acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
RoHS Status	Following EU Directive 2011/65/EU
Environmental Information	2CDK400030D0201

## Dimensions

Width in Number of Modular Spacings	3
Product Net Width	52.5 mm
Product Net Height	85 mm

Product Net Depth / Length	69 mm
Product Net Weight	0.375 kg
Pole Net Weight	0.115 kg
Built-In Depth (t <sub>2</sub> )	69 mm

### Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	92 mm
Package Level 1 Height	80 mm
Package Level 1 Depth / Length	58 mm
Package Level 1 Gross Weight	0.4 kg
Package Level 1 EAN	4016779701303
Package Level 2 Units	carton 36 piece
Package Level 2 Width	275 mm
Package Level 2 Height	210 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Gross Weight	14.8 kg
Package Level 2 EAN	4016779991322

### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Country of Origin	Germany (DE)

### Certificates and Declarations (Document Number)

Certification Agency	EN IEC
Declaration of Conformity - CE	9AKK107046A5460
Environmental Information	2CDK400030D0201
Instructions and Manuals	No document needed
RoHS Information	2CDK400030D0201

### Popular Downloads

Data Sheet, Technical Information	2CSC400030D0202
Instructions and Manuals	No document needed

### Classifications

ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer

CN8	8536 20 10
UNSPSC	39121614
eClass	V11.0 : 27141901
Object Classification Code	F

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## Categories

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

