



 PRODUCT-DETAILS

SH203-B50

SH203-B50 Miniature Circuit Breaker - 3P - B - 50 A



General Information

Extended Product Type	SH203-B50
Product ID	2CDS213001R0505
EAN	4016779701280
Catalog Description	SH203-B50 Miniature Circuit Breaker - 3P - B - 50 A
Long Description	SH203-B50 Miniature Circuit Breaker - 3P - B - 50 A

Technical

Standards	IEC/EN 60898-1
Tripping Characteristic	B
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

Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Input Voltage Type	AC
Rated Current (I _n)	50 A
Rated Short-Circuit Capacity	(AC) 6 kA (400 V AC) 6 kA (400 V) 6 kA
Rated Conditional Short-Circuit Current (I _{nc})	(230 V) 6 kA (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
Mechanical Endurance	20000 cycle
Number of Protected Poles	3
Number of 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 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

Material Compliance

RoHS Information	2CDK400030D0201
RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date	0335
REACH Declaration	9AKK108468A9644
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20231212
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

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	3.0
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	0.125 kg
Built-In Depth (t ₂)	69 mm

Ordering

Package Level 1 Units	carton 1 piece
Package Level 1 Gross Weight	0.39 kg

Certificates and Declarations

Declaration of Conformity - CE	2CDK400607D2703
Certification Agency	EN IEC

Installation

Instructions and Manuals	2CDS207105P0001
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Popular Downloads

Data Sheet, Technical Information	2CSC400030D0202
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Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
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ETIM 9	EC000042 - Miniature circuit breaker (MCB)
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Business
CN8	8536 20 10
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4897 >> Miniature circuit breakers
Object Classification Code	F

Categories

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

