PRODUCT-DETAILS

SH203-C50

Miniature Circuit Breaker - SH200 - 3P - C - 50 ampere



General Information

Extended Product Type	SH203-C50
Product ID	2CDS213001R0504
EAN	4016779701303
Catalog Description	Miniature Circuit Breaker - SH200 - 3P - C - 50 ampere
Long Description	SH203-C50 MiniCircuitBreaker

Technical

Standards	IEC/EN 60898-1
Number of Poles	3
Number of Protected Poles	3
Tripping Characteristic	C
Rated Current (I_n)	50 A
Rated Operational Voltage	acc. to IEC 60898-1 400 V AC
Power Loss	9.75 W at Rated Operating Conditions per Pole 3.25 W
Rated Insulation Voltage (U_i)	acc. to IEC/EN 60664-1 440 V
Operational Voltage	Maximum (Incl. Tolerance) 440 V AC Maximum 440 V AC Minimum 12 V AC
Rated Frequency (f)	50 Hz 60 Hz

Rated Short-Circuit Capacity (I_{cn})	(400 V AC) 6 kA
Energy Limiting Class	3
Overvoltage Category	III
Pollution Degree	2
Rated Impulse Withstand Voltage (U_{imp})	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Housing Material	Insulation Group II, RAL 7035
Actuator Type	Toggle
Actuator Material	Insulation Group II, Black, Sealable
Actuator Marking	I / O
Contact Position Indication	ON / OFF
Degree of Protection	IP20
Remarks	IP40 in enclosure with cover
Electrical Endurance	10000 AC cycle
	20000 cycle
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
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715
Mounting Position	Any
Built-In Depth (t_2)	69 mm
Installation Size	acc. to DIN 43880 1
Power Supply Connection	Arbitrary

Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Resistance to Shock acc. to IEC 60068-2-27	25g / 2 shocks / 13 ms
Resistance to Vibrations acc. to IEC 60068-2-6	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
Environmental Conditions	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
RoHS Status	Following EU Directive 2011/65/EU

Dimensions

Product Net Width	52.5 mm
Product Net Depth / Length	69 mm
Product Net Height	85 mm
Product Net Weight	0.375 kg

Container Information

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

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	9AKK107046A5460
Environmental Information	2CDK400030D0201
Instructions and Manuals	Printed on packaging
RoHS Information	2CDK400030D0201

Popular Downloads

Data Sheet, Technical Information	2CSC400030D0202
Instructions and Manuals	Printed on packaging

Classifications

Object Classification Code	F
ETIM 6	EC000042 - Miniature circuit breaker (MCB)
ETIM 7	EC000042 - Miniature circuit breaker (MCB)
eClass	7.0 27141901
UNSPSC	39121614

Categories

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

