PRODUCT-DETAILS

S201MT-C50UC

S201MT-C50UC Miniature Circuit Breaker - 1P - C - 50 A



General Information

Extended Product Type	S201MT-C50UC
Product ID	2CDS271065R0504
EAN	4013614448652
Catalog Description	S201MT-C50UC Miniature Circuit Breaker - 1P - C - 50 A
Long Description	S201MT-C50UC Miniature Circuit Breaker - 1P - C - 50 A

Technical

Standards	IEC/EN 60947-2
Tripping Characteristic	C
Rated Operational Voltage	acc. to IEC 60898-1 220 V DC acc. to IEC 60898-1 253 V AC acc. to IEC 60898-1 220 V acc. to IEC 60947-2 253 V AC acc. to IEC 60947-2 220 V DC
Operational Voltage	Maximum (Incl. Tolerance) 250 V DC Maximum (Incl. Tolerance) 266 V AC Minimum 12 V AC Minimum 12 V DC
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

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Subject to change without notice

)	at Sea Level 6.2 kV
Dielectric Test Voltage	50/60 Hz, 1 min: 2 kV
Input Voltage Type	AC/DC
Rated Current (I_n)	50 A
Rated Short-Circuit Capacity	(AC) 10 kA (DC) 10 kA (220 V DC) 10 kA (230 V AC) 10 kA (253 V AC) 10 kA (230 V) 10 kA (400 V) 10 kA
Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(220 V DC) 10 kA (230 V AC) 10 kA (253 V AC) 6 kA (230 V) 10 kA
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 10 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(220 V DC) 10 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	4.44 W at Rated Operating Conditions per Pole 4.44 W
Power Supply Connection	Please Note Polarity of Device
Contact Position Indication	ON / OFF
Energy Limiting Class	3
Electrical Endurance	1500 DC cycle 10000 AC cycle
Mechanical Endurance	20000 cycle
Number of Protected Poles	1
Number of Poles	1
Overvoltage Category	III
Tightening Torque	2.8 N·m
Actuator Type	Toggle
Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
Actuator Marking	I / O
Actuator Material	Insulation Group II, Black, Sealable
Housing Material	Insulation Group I, RAL 7035
Options Provided	Suitable for traction application
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	Yes
Remarks	Please note polarity of device
Connecting Capacity	Busbar 10 / 10 mm² Flexible with Ferrule 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Flexible 0.75 ... 25 mm² Rigid 0.75 ... 35 mm² Stranded 0.75 ... 35 mm²
Installation Size	acc. to DIN 43880 1
Terminal Type	Screw Terminals

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Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 IPXXB Enclosure with Cover IP40
Pollution Degree	3
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 and Amendment 2015/863 July 22, 2019
RoHS Information	2CDK400602D2703
REACH Declaration	9AKK107492A1906
SCIP	a62e1a07-4cd8-42e3-a6a1-8acf96626448 Germany (DE)
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Technical UL/CSA

Interrupting Rating acc. to UL1077	(220 V DC) 10 kA

Dimensions

Width in Number of Modular Spacings	1
Product Net Width	17.5 mm
Product Net Height	88 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.125 kg
Built-In Depth (t_2)	69 mm

Ordering

Package Level 1 Units	carton 10 piece
Package Level 1 Gross Weight	1.3 kg

Certificates and Declarations

Certification Agency	EN IEC
Declaration of Conformity - CE	2CDK400602D2704

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Installation

Instructions and Manuals	2CDS207104P0002

Popular Downloads

Data Sheet, Technical Information	No document needed

Classifications

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
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

Categories

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



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