



PRODUCT-DETAILS

SU201M-K50

Miniature Circuit Breaker - SU200M - 1P - 50 A - K



General Information	
Extended Product Type	SU201M-K50
Product ID	2CDS271337R0577
EAN	4016779930192
Catalog Description	Miniature Circuit Breaker - SU200M - 1P - 50 A - K
Long Description	SU201M-K50 Miniature Circuit Breaker K-Char., 10kA, 50A, 1P UL489

Technical	
Tripping Characteristic	K
Rated Operational Voltage	acc. to IEC 60898-1 240 V acc. to IEC 60947-2 230 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/DC
Rated Current (I _n)	50 A
Rated Short-Circuit	(230 V AC) 11.2 kA

Capacity

Rated Ultimate Short-Circuit Breaking Capacity (I_{cu})	(230 V AC) 15 kA (230 V) 15 kA
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Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 15 kA
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Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 11.2 kA
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Rated Frequency (f)	50 / 60 Hz DC
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Power Loss	4.5 W at Rated Operating Conditions per Pole 4.5 W
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Power Supply Connection	Arbitrary
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Contact Position Indication	Red ON / Green OFF
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Energy Limiting Class	3
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Electrical Endurance	10000 AC cycle
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Mechanical Endurance	20000 cycle
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Number of Protected Poles	1
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Number of Poles	1P
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Overvoltage Category	III
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Tightening Torque	2.8 N·m
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Screw Terminal Type	Failsafe Bi-directional Cylinder-lift Terminal
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Actuator Marking	I / O
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Actuator Material	Insulation Group II, Black, Sealable
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Housing Material	Insulation Group I, RAL 7035
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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
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Mounting Position	any
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Recommended Screw Driver	Pozidriv 2
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Accessories Available	Yes
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Connecting Capacity	Busbar 10 / 10 mm ² Flexible with Ferrule 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Flexible 0.75 ... 25 mm ² Rigid 0.75 ... 35 mm ² Stranded 0.75 ... 35 mm ²
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Installation Size	acc. to DIN 43880 3
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Terminal Type	Double Clamp
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Material Compliance

RoHS Information	2CDK400595D2705
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RoHS Status	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
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RoHS Date	20200514
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REACH Declaration	9AKK107492A1906
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REACH Information	True - contains substances > 0.1 mass percentage
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REACH Date	20240821
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Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363
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SCIP	89318623-ff2d-4ce0-aefe-5d16fac11138 Germany (DE)
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WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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WEEE B2C / B2B	Business To Business
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Environmental

Ambient Air Temperature	Operation -25 ... +55 °C Storage -40 ... +70 °C
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Reference Ambient Air Temperature	30 °C
Degree of Protection	IP20 IP40 Enclosure with Cover IP40
Pollution Degree	3
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	9AKK107680A9140

Technical UL/CSA

Maximum Operating Voltage UL/CSA	240 V AC 48 V DC
Interrupting Rating acc. to UL489	(240 V AC) 10 kA (48 V DC) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG

Dimensions

Width in Number of Modular Spacings	1.0
Product Net Width	17.5 mm
Product Net Height	111 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.125 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	0.135 kg

Certificates and Declarations

Declaration of Conformity - CE	2CDK400595D2705
Declaration of Conformity - UKCA	9AKK108467A5201

Installation

Instructions and Manuals	2CDC002177D0202
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Popular Downloads

Data Sheet, Technical Information	2CDC002177D0202
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External Classifications and Standards

ETIM 8	EC000042 - Miniature circuit breaker (MCB)
ETIM 9	EC000042 - Miniature circuit breaker (MCB)
UNSPSC	39121603
eClass	V11.0 : 27141901
IDEA Granular Category Code (IGCC)	4899 >> Miniature circuit breaker (MCB) screw-in model
Standards	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Certification Agency	CSA EN IEC UL

Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CCA880100R0001	Sensor	CMS-100PS	1	piece
2CCA880101R0001	Sensor	CMS-101PS	1	piece
2CCA880102R0001	Sensor	CMS-102PS	1	piece
2CDS200914R0001	Auxiliary Contact	S2C-H6RU	1	piece
2CDS200924R0001	Signal/Auxiliary Contact	S2C-S6RU	1	piece
2CDS200908R0001	Shunt Trip	S2C-A1U	1	piece
2CDS200908R0002	Shunt Trip	S2C-A2U	1	piece

Categories

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

