PRODUCT-DETAILS

SU201M-K8

SU201M-K8 Miniature Circuit Breaker - 1P - K - 8 A

General Information

Extended Product Type	SU201M-K8
Product ID	2CDS271337R0407
EAN	4016779930086
Catalog Description	SU201M-K8 Miniature Circuit Breaker - 1P - K - 8 A
Long Description	SU201M-K8 Miniature Circuit Breaker K-Char., 10kA, 8A, 1P UL489

Technical

Standards	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Tripping Characteristic	K
Rated Operational Voltage	acc. to IEC 60898-1 277 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)	8 A
Rated Short-Circuit Capacity (I_{cn})	(230 V AC) 11.2 kA
Rated Ultimate Short-Circuit Breaking	(230 V AC) 15 kA

Capacity (I_{cu})	
Rated Conditional Short-Circuit Current (I_{nc})	(230 V) 15 kA
Rated Service Short-Circuit Breaking Capacity (I_{cs})	(230 V AC) 11.2 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	1.5 W at Rated Operating Conditions per Pole 1.5 W
Power Supply Connection	Arbitrary
Contact Position Indication	Red ON / Green OFF
Energy Limiting Class	3
Electrical Endurance	20000 AC cycle
	20000 cycle
Number of Poles	1
Number of Protected Poles	1
Overvoltage Category	III
Tightening Torque	2.8 N·m
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
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
Connecting Capacity	Busbar 10 / 10 mm² Flexible with Ferrule 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 3
Terminal Type	Double Clamp

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	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
Environmental Information	9AKK107680A9140

Technical UL/CSA

Maximum Operating Voltage UL/CSA	277 V AC 48 V DC
Interrupting Rating acc. to UL489	(240 V AC) 10 kA (277 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
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

Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	25 mm
Package Level 1 Height	79 mm
Package Level 1 Depth / Length	116 mm
Package Level 1 Gross Weight	0.135 kg
Package Level 1 EAN	4016779930086
Package Level 2 Units	crate 77 piece
Package Level 2 Width	35 mm
Package Level 2 Height	210 mm
Package Level 2 Depth / Length	395 mm
Package Level 2 Gross Weight	16 kg
Package Level 2 EAN	4016779938143

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
Country of Origin	Bulgaria (BG)

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	2CDK400595D2705
Environmental Information	9AKK107680A9140
Instructions and Manuals	2CDC002177D0202
RoHS Information	2CDK400595D2705

Popular Downloads

Data Sheet, Technical	2CDC002177D0202

Information	
Instructions and Manuals	2CDC002177D0202

Classifications

ETIM 7	EC000042 - Miniature circuit breaker (MCB)
ETIM 8	EC000042 - Miniature circuit breaker (MCB)
EPLAN Catalog Tree	Electrical engineering / Protection devices / General
EPLAN Function Definition	Circuit breaker / Single circuit breaker / Circuit breaker 1_2
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

Accessories

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

Categories

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