

PRODUCT-DETAILS

# SU202M-K25

## SU202M-K25 Miniature Circuit Breaker - 2P - K - 25 A



### General Information

Extended Product Type	SU202M-K25
Product ID	2CDS272337R0517
EAN	4016779932769
Catalog Description	SU202M-K25 Miniature Circuit Breaker - 2P - K - 25 A
Long Description	SU202M-K25 Miniature Circuit Breaker K-Char., 10kA, 25A, 2P UL489

### Technical

Standards	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
Tripping Characteristic	K
Rated Operational Voltage	acc. to IEC 60898-1 440 V AC acc. to IEC 60947-2 400 V AC
Rated Insulation Voltage (U <sub>i</sub> )	acc. to IEC/EN 60664-1 440 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	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 <sub>n</sub> )	25 A
Rated Short-Circuit Capacity (I <sub>cn</sub> )	(400 V AC) 11.2 kA
Rated Ultimate Short-Circuit Breaking	(400 V AC) 15 kA

Capacity (I <sub>cu</sub> )	
Rated Conditional Short-Circuit Current (I <sub>nc</sub> )	(400 V) 15 kA
Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> )	(400 V AC) 11.2 kA
Rated Frequency (f)	50 / 60 Hz DC
Power Loss	6.4 W at Rated Operating Conditions per Pole 3.2 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	2
Number of Protected Poles	2
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 mm <sup>2</sup> Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup> Flexible 0.75 ... 25 mm <sup>2</sup> Rigid 0.75 ... 35 mm <sup>2</sup> Stranded 0.75 ... 35 mm <sup>2</sup>
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	480Y / 277 V AC 96 V DC
Interrupting Rating acc. to UL489	(240 V AC) 10 kA (480Y / 277 V AC) 10 kA (96 V DC) 10 kA
Connecting Capacity UL/CSA	Busbar 18-8 AWG Conductor 18-4 AWG

## Dimensions

Width in Number of Modular Spacings	2
Product Net Width	35 mm
Product Net Height	111 mm
Product Net Depth / Length	69 mm
Product Net Weight	0.25 kg
Pole Net Weight	0.125 kg
Built-In Depth (t <sub>2</sub> )	69 mm

## Container Information

Package Level 1 Units	carton 1 piece
Package Level 1 Width	40 mm
Package Level 1 Height	83 mm
Package Level 1 Depth / Length	120 mm
Package Level 1 Gross Weight	0.27 kg
Package Level 1 EAN	4016779932769
Package Level 2 Units	crate 36 piece
Package Level 2 Width	275 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	4016779939157

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85362010
E-Number (Sweden)	2100117
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 Information	2CDC002177D0202
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 / Double circuit-breaker / Double circuit breaker 1_2_3_4
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

