

# SU202M-K30



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

## General Information

<b>Extended Product Type:</b>	SU202M-K30
<b>Product ID:</b>	2CDS272337R0527
<b>EAN:</b>	4016779932776
<b>Catalog Description:</b>	Miniature Circuit Breaker - SU200M - 2P - K - 30 ampere
<b>Long Description:</b>	SU202M-K30 Miniature Circuit Breaker K-Char., 10kA, 30A, 2P UL489

## Ordering

<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85362010

## Popular Downloads

<b>Data Sheet, Technical Information:</b>	2CDC002177D0202
<b>Instructions and Manuals:</b>	2CDC002177D0202

## Dimensions

<b>Product Net Width:</b>	35 mm
<b>Product Net Depth:</b>	69 mm
<b>Product Net Height:</b>	111 mm
<b>Product Net Weight:</b>	0.25 kg

## Technical

<b>Standards:</b>	CSA 22.2 No. 5 IEC/EN 60947-2 UL 489
<b>Number of Poles:</b>	2
<b>Tripping Characteristic:</b>	K
<b>Rated Current (<math>I_n</math>):</b>	30 A
<b>Rated Operational Voltage:</b>	acc. to IEC 60947-2 400 V AC
<b>Power Loss:</b>	7 W at Rated Operating Conditions per Pole 3,5 W
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	acc. to IEC/EN 60664-1 440 V
<b>Rated Frequency (f):</b>	50 Hz 60 Hz DC Hz
<b>Rated Ultimate Short-Circuit Breaking Capacity (<math>I_{cu}</math>):</b>	(400 V AC) 15 kA

<b>Rated Service Short-Circuit Breaking Capacity (<math>I_{cs}</math>):</b>	(400 V AC) 11.2 kA
<b>Overvoltage Category:</b>	III
<b>Pollution Degree:</b>	3
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	4 kV (6.2 kV @ sea level) (5.0 kV @ 2000 m)
<b>Dielectric Test Voltage:</b>	50 / 60 Hz, 1 min: 2 kV
<b>Housing Material:</b>	Insulation Group I, RAL 7035
<b>Contact Position Indication:</b>	Red ON / Green OFF
<b>Degree of Protection:</b>	IP20
<b>Remarks:</b>	IP40 in enclosure with cover
<b>Electrical Endurance:</b>	10000 AC cycle
<b>Mechanical Endurance (<math>N_{endu}</math>):</b>	20000 cycle
<b>Terminal Type:</b>	Screw Terminals
<b>Screw Terminal Type:</b>	Failsafe Bi-directional Cylinder-lift Terminal
<b>Connecting Capacity:</b>	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>
<b>Tightening Torque:</b>	2.8 N·m
<b>Recommended Screw Driver:</b>	Pozidriv 2
<b>Mounting on DIN Rail:</b>	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
<b>Mounting Position:</b>	Any

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +55 °C Storage -40 ... +70 °C
<b>Resistance to Shock acc. to IEC 60068-2-27:</b>	25g / 2 shocks / 13 ms
<b>Resistance to Vibrations acc. to IEC 60068-2-6:</b>	5g, 20 cycles at 5 ... 150 ... 5 Hz with load 0.8 In
<b>Environmental Conditions:</b>	28 cycles with 55 °C / 90-96 % and 25 °C / 95-100 %
<b>RoHS Status:</b>	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	480Y / 277 V AC 96 V DC
--	----------------------------

**Connecting Capacity UL/CSA:** Busbar 18-8 AWG  
Conductor 18-4 AWG

## Certificates and Declarations (Document Number)

<b>Declaration of Conformity - CE:</b>	2CDK400595D2702
<b>Instructions and Manuals:</b>	2CDC002177D0202
<b>RoHS Information:</b>	2CDK400596D0203

## Container Information

<b>Package Level 1 Units:</b>	5 piece
<b>Package Level 1 Width:</b>	121 mm
<b>Package Level 1 Length:</b>	191 mm
<b>Package Level 1 Height:</b>	82 mm
<b>Package Level 1 Gross Weight:</b>	1.3 kg
<b>Package Level 1 EAN:</b>	4016779935364
<b>Package Level 2 Units:</b>	36 piece
<b>Package Level 2 Width:</b>	275 mm
<b>Package Level 2 Length:</b>	395 mm
<b>Package Level 2 Height:</b>	210 mm
<b>Package Level 2 Gross Weight:</b>	16 kg
<b>Package Level 2 EAN:</b>	4016779939164

## Classifications

<b>ETIM 5:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 6:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>ETIM 7:</b>	EC000042 - Miniature circuit breaker (MCB)
<b>eClass:</b>	7.0 27141901
<b>UNSPSC:</b>	39121614

