

# SU203M-Z60



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

## General Information

|                               |                                                                   |
|-------------------------------|-------------------------------------------------------------------|
| <b>Extended Product Type:</b> | SU203M-Z60                                                        |
| <b>Product ID:</b>            | 2CDS273337R0588                                                   |
| <b>EAN:</b>                   | 4016779933513                                                     |
| <b>Catalog Description:</b>   | Miniature Circuit Breaker - SU200M - 3P - Z - 60 ampere           |
| <b>Long Description:</b>      | SU203M-Z60 Miniature Circuit Breaker Z-Char., 10kA, 60A, 3P 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>          | 52.5 mm  |
| <b>Product Net Depth / Length:</b> | 69 mm    |
| <b>Product Net Height:</b>         | 111 mm   |
| <b>Product Net Weight:</b>         | 0.375 kg |

## Technical

|                                                                                  |                                                        |
|----------------------------------------------------------------------------------|--------------------------------------------------------|
| <b>Standards:</b>                                                                | CSA 22.2 No. 5<br>IEC/EN 60947-2<br>UL 489             |
| <b>Number of Poles:</b>                                                          | 3                                                      |
| <b>Tripping Characteristic:</b>                                                  | Z                                                      |
| <b>Rated Current (<math>I_n</math>):</b>                                         | 60 A                                                   |
| <b>Rated Operational Voltage:</b>                                                | acc. to IEC 60947-2 400 V AC                           |
| <b>Power Loss:</b>                                                               | 14,7 W<br>at Rated Operating Conditions per Pole 4,9 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<br>60 Hz<br>DC Hz                                |
| <b>Rated Ultimate Short-Circuit<br/>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) 7.5 kA                                                                                                                                                                                        |
| <b>Overvoltage Category:</b>                                                | III                                                                                                                                                                                                      |
| <b>Pollution Degree:</b>                                                    | 3                                                                                                                                                                                                        |
| <b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>              | 4 kV<br>(6.2 kV @ sea level)<br>(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><br>Flexible with Ferrule 0.75 ... 25 mm <sup>2</sup><br>Flexible 0.75 ... 25 mm <sup>2</sup><br>Rigid 0.75 ... 35 mm <sup>2</sup><br>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<br>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<br>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<br>with 55 °C / 90-96 %<br>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> | 240 V AC |
|------------------------------------------|----------|

|                             |                                       |
|-----------------------------|---------------------------------------|
| Connecting Capacity UL/CSA: | Busbar 18-8 AWG<br>Conductor 18-4 AWG |
|-----------------------------|---------------------------------------|

## Certificates and Declarations (Document Number)

|                                 |                 |
|---------------------------------|-----------------|
| Declaration of Conformity - CE: | 2CDK400595D2702 |
| Instructions and Manuals:       | 2CDC002177D0202 |
| RoHS Information:               | 2CDK400596D0203 |

## Container Information

|                                 |               |
|---------------------------------|---------------|
| Package Level 1 Units:          | 3 piece       |
| Package Level 1 Width:          | 121 mm        |
| Package Level 1 Depth / Length: | 191 mm        |
| Package Level 1 Height:         | 82 mm         |
| Package Level 1 Gross Weight:   | 1.175 kg      |
| Package Level 1 EAN:            | 4016779936590 |
| Package Level 2 Units:          | 24 piece      |
| Package Level 2 Width:          | 275 mm        |
| Package Level 2 Depth / Length: | 395 mm        |
| Package Level 2 Height:         | 210 mm        |
| Package Level 2 Gross Weight:   | 16 kg         |
| Package Level 2 EAN:            | 4016779940399 |

## Classifications

|         |                                            |
|---------|--------------------------------------------|
| ETIM 5: | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 6: | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 7: | EC000042 - Miniature circuit breaker (MCB) |
| eClass: | 7.0 27141901                               |
| UNSPSC: | 39121614                                   |

