



PRODUCT-DETAILS

# ST203M-Z50

## Miniature Circuit Breaker - ST200M - 3P - 50 A - Z



| General Information   |                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------|
| Extended Product Type | ST203M-Z50                                                                                      |
| Product ID            | 2CDS273334R0578                                                                                 |
| EAN                   | 4016779025065                                                                                   |
| Catalog Description   | Miniature Circuit Breaker - ST200M - 3P - 50 A - Z                                              |
| Long Description      | ST203M-Z50 Miniature Circuit Breaker ST203M-Z50 Miniature Circuit Breaker Z-Char., 5kA, 50A, 3P |

| Technical                                                         |                                   |
|-------------------------------------------------------------------|-----------------------------------|
| Tripping Characteristic                                           | Z                                 |
| Rated Operational Voltage                                         | 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                              |
| Input Voltage Type                                                | AC                                |
| Rated Current (I <sub>n</sub> )                                   | 50 A                              |
| Rated Ultimate Short-Circuit Breaking Capacity (I <sub>cu</sub> ) | (400 V AC) 15 kA<br>(400 V) 15 kA |

|                                                                  |                                                       |
|------------------------------------------------------------------|-------------------------------------------------------|
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )       | (230 V) 15 kA<br>(400 V) 15 kA                        |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ) | (400 V AC) 7.5 kA                                     |
| Rated Frequency (f)                                              | 50 / 60 Hz                                            |
| Power Loss                                                       | 3.2 W<br>at Rated Operating Conditions per Pole 1.6 W |
| Energy Limiting Class                                            | 3                                                     |
| Number of Protected Poles                                        | 3                                                     |
| Number of Poles                                                  | 3P                                                    |
| Overvoltage Category                                             | III                                                   |
| Accessories Available                                            | Yes                                                   |
| Connecting Capacity                                              | Flexible 25 ... 25 mm²<br>Rigid 35 ... 35 mm²         |
| Terminal Type                                                    | Double Clamp                                          |

Material Compliance

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| RoHS Information                            | 2CDK400679D2703                                                        |
| RoHS Status                                 | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date                                   | 20221214                                                               |
| REACH Declaration                           | 9AKK107492A1906                                                        |
| REACH Information                           | True - contains substances > 0.1 mass percentage                       |
| REACH Date                                  | 20240821                                                               |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                                        |
| SCIP                                        | 171856b6-03a8-4c04-9bae-ec01c5a7d7da Germany (DE)                      |

Environmental

|                         |                          |
|-------------------------|--------------------------|
| Ambient Air Temperature | Operation -25 ... +55 °C |
| Degree of Protection    | IP20                     |
| Pollution Degree        | 3                        |

Technical UL/CSA

|                                    |                                            |
|------------------------------------|--------------------------------------------|
| Interrupting Rating acc. to UL1077 | (125 V DC) 10 kA<br>(480Y / 277 V AC) 5 kA |
|------------------------------------|--------------------------------------------|

Dimensions

|                                     |          |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 3.0      |
| Product Net Width                   | 52.5 mm  |
| Product Net Height                  | 88 mm    |
| Product Net Depth / Length          | 69 mm    |
| Product Net Weight                  | 0.345 kg |
| Built-In Depth (t <sub>2</sub> )    | 69 mm    |

Ordering

|                       |                |
|-----------------------|----------------|
| Package Level 1 Units | carton 1 piece |
| Package Level 1 Gross | 0.39 kg        |

Weight

Certificates and Declarations

|                                     |                 |
|-------------------------------------|-----------------|
| Declaration of Conformity<br>- CE   | 2CDK400679D2703 |
| Declaration of Conformity<br>- UKCA | 9AKK108467A5200 |

Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 9AKK107046A3150 |
|--------------------------|-----------------|

Popular Downloads

|                                      |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>Information | 9AKK107046A3150 |
|--------------------------------------|-----------------|

External Classifications and Standards

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| ETIM 8                                | EC000042 - Miniature circuit breaker (MCB)                 |
| ETIM 9                                | EC000042 - Miniature circuit breaker (MCB)                 |
| WEEE Category                         | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B                        | Business To Business                                       |
| CN8                                   | 8536 20 10                                                 |
| UNSPSC                                | 39121603                                                   |
| eClass                                | V11.0 : 27141901                                           |
| IDEA Granular Category<br>Code (IGCC) | 4899 >> Miniature circuit breaker (MCB) screw-in model     |
| Standards                             | CSA 22.2 No. 235<br>IEC/EN 60947-2<br>UL 1077              |
| Certification Agency                  | CSA<br>EN<br>IEC<br>UL                                     |

Categories

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

