



 PRODUCT-DETAILS

BMS412C40

Miniature Circuit Breaker



General Information

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| Extended Product Type | BMS412C40 |
| Product ID | 2CDS642041R0404 |
| EAN | 4016779047203 |
| Catalog Description | Miniature Circuit Breaker |
| Long Description | <p>The basic M MCB series protects installations against overloads and short-circuits, guaranteeing reliability and safety of operations.</p> <p>ABB basic M series satisfies most common requirements in terms of MCBs, allowing the usage of different pole configurations, characteristics and rated currents for residential and commercial applications. This product is manufactured according to international IEC standards.</p> |

Technical

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| Standards | IEC 60898-1 |
| Tripping Characteristic | C |
| Rated Operational Voltage | acc. to IEC 60898-1 400 V acc. to IEC 60947-2 440 V |
| Rated Insulation Voltage (U _i) | acc. to IEC/EN 60664-1 440 V |

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|---|---|
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV |
| Input Voltage Type | AC |
| Rated Current (I _n) | 40 A |
| Rated Short-Circuit Capacity | (AC) 4.5 kA (400 V AC) 4.5 kA |
| Rated Frequency (f) | 50 / 60 Hz |
| Power Loss | at Rated Operating Conditions per Pole 4.8 W |
| Energy Limiting Class | 3 |
| Electrical Endurance | 4000 AC cycle |
| Mechanical Endurance | 10000 cycle |
| Number of Protected Poles | 2 |
| Number of Poles | 2 |
| Overvoltage Category | III |
| Tightening Torque | 2 N·m |
| Actuator Type | Toggle |
| Actuator Marking | I / O |
| Recommended Screw Driver | Pozidriv 2 |
| Accessories Available | Yes |
| Connecting Capacity | Flexible 1 ... 16 mm ² Rigid 1 ... 25 mm ² |
| Wire Stripping Length | 12.5 mm |

Material Compliance

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|---|---|
| RoHS Information | 2CDK400667D0201 |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Date | 20170816 |
| REACH Declaration | 9AKK107492A1906 |
| REACH Information | False - does not contain substances > 0.1 mass percentage |
| REACH Date | 20240821 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Environmental

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|-------------------------|--|
| Ambient Air Temperature | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Degree of Protection | IP20 Enclosure with Cover IP40 |
| Pollution Degree | 2 |

Dimensions

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|-------------------------------------|-------|
| Width in Number of Modular Spacings | 2.0 |
| Product Net Width | 35 mm |
| Product Net Height | 88 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Weight | 186 g |

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|----------------------------------|-------|
| Built-In Depth (t ₂) | 69 mm |
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Ordering

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| Package Level 1 Units | 6 piece |
| Package Level 1 Gross Weight | 1.293 kg |

Certificates and Declarations

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|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CDK400666D2701 |
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Installation

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| Instructions and Manuals | No document needed |
|--------------------------|--------------------|

Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107045A1496 |
|-----------------------------------|-----------------|

Classifications

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| 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 Code (IGCC) | 4897 >> Miniature circuit breakers |

Categories

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

