



PRODUCT-DETAILS

SB202-C20DC

Miniature Circuit Breaker - 2P - C - 20 A



| General Information | |
|-----------------------|---|
| Extended Product Type | SB202-C20DC |
| Product ID | 1SYS252067R0204 |
| Catalog Description | Miniature Circuit Breaker - 2P - C - 20 A |
| Long Description | System pro M compact SB200 DC Miniature Circuit Breakers are current limiting. They have two different tripping mechanisms, the delayed thermal tripping mechanism for overload protection and the electromechanic tripping mechanism for short circuit protection. They are available in C-characteristics, different configurations (1P, 2P), breaking capacities (up to 6 kA at 240/415 V AC) and rated currents (up to 63A). All MCBs of the product range SB200 DC comply with IS/IEC 60947-2, allowing the use for residential, commercial and industrial applications. |

| Technical | |
|---|----------------|
| Standards | IS/IEC 60947-2 |
| Tripping Characteristic | C |
| Rated Voltage (U _r) | 500 V |
| Rated Impulse Withstand Voltage (U _{imp}) | 4 kV |
| Rated Current (I _n) | 20 A |
| Rated Operational Current (I _e) | 20 A |

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| Rated Short-Circuit Capacity | 6 kA |
| Rated Service Short-Circuit Breaking Capacity (I _{cs}) | 6000 kA |
| Power Supply Connection | Please Note Polarity of Device |
| Electrical Endurance | 1000DC cycle |
| Mechanical Endurance | 20000 cycle |
| Number of Protected Poles | 2 |
| Number of Poles | 2 |
| Tightening Torque | 2 N·m |
| Actuator Type | Toggle |
| Actuator Marking | I / O |
| Actuator Material | Insulation Group II, Black, Sealable |
| Housing Material | Insulation Group I, RAL 7035 |
| Mounting Position | Any |
| Recommended Screw Driver | Pozidriv 2 |
| Remarks | IP40 in enclosure with cover |
| Connecting Capacity | rigid: 25 mm² ; flexible: 16 mm² |

Material Compliance

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|---|-----------------------------------|
| RoHS Information | 1SYM100001D1018 |
| RoHS Status | Following EU Directive 2011/65/EU |
| RoHS Date | 43546 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |

Environmental

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| Ambient Air Temperature | Operation -25 ... +55 °C Storage -40 ... +70 °C |
| Reference Ambient Air Temperature | 55 °C |
| Degree of Protection | IP20 |
| Environmental Conditions | 28 cycle 55°C @ 90-96% 25°C @ 95-100% |
| Resistance to Vibrations | 20 Cycles with Load 0.8 In: 5g 5 ... 150 ... 5 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g / 2 shock / 13 ms |

Dimensions

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|----------------------------------|---------|
| Product Net Width | 35 mm |
| Product Net Height | 85 mm |
| Product Net Depth / Length | 69 mm |
| Product Net Weight | 0.25 kg |
| Built-In Depth (t ₂) | 69 mm |

Ordering

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|------------------------------|-------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.25 kg |

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| Certificates and Declarations | |
| Declaration of Conformity - CE | 9AKK107492A3487 |

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| Installation | |
| Instructions and Manuals | No document needed |

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| Popular Downloads | |
| Data Sheet, Technical Information | No document needed |

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| Classifications | |
| ETIM 8 | EC000042 - Miniature circuit breaker (MCB) |
| ETIM 9 | EC000042 - Miniature circuit breaker (MCB) |
| WEEE Category | Product Not in WEEE Scope |
| eClass | V11.0 : 27141901 |
| Object Classification Code | F |

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| Categories | |
| Low Voltage Products and Systems → Modular DIN Rail Products → Miniature Circuit Breakers MCBs → Miniature Circuit Breakers MCBs | |
| Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB) | |

