



 PRODUCT-DETAILS

F204 B-125/0.5-L

F204 B-125/0.5-L Residual Current Circuit Breaker 4P Type B 500 mA



General Information

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|-----------------------|--|
| Extended Product Type | F204 B-125/0.5-L |
| Product ID | 2CSF204523R4950 |
| EAN | 8012542730439 |
| Catalog Description | F204 B-125/0.5-L Residual Current Circuit Breaker 4P Type B 500 mA |
| Long Description | The RCCBs F200 series assures protection to people and installations against fault current to earth. A large offer for standard instantaneous and selective AC and A types is completed with some configurations for special applications. This product is particularly suitable for the protection against smooth d.c. earth fault currents. This product is suitable for installations where neutral on the left is. |

ABB EcoSolutions

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|----------------------|-----------------|
| ABB EcoSolutions | Yes |
| EcoSolutions Profile | 9AKK108469A3795 |

Circular Value

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|-----------------|---|
| Circular Design | Design for Closing Resource Loops - Standard EN45555 - 51.4 % |
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Principles Recyclability
Rate

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|---|--|
| Group Waste to Landfill Target | No non-hazardous waste is sent to a landfill |
| Sustainable Material Content in Packaging | Recycled Paper - 78 % |
| Offered with Extended Lifetime | Product Durability |
| End of Life Instructions | 9AKK108468A4363 |

Eco Transparency

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|---|-----------------|
| Environmental Product Declaration - EPD | 9AKK108467A3700 |
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Technical

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| Standards | IEC/EN 61008 |
| Type of Residual Current | Type B |
| Rated Voltage (U_r) | 230/400 V |
| Rated Operational Voltage | 230 / 400 V AC |
| Rated Insulation Voltage (U_i) | 500 V |
| Rated Impulse Withstand Voltage (U_{imp}) | 4 kV |
| Input Voltage Type | AC |
| Rated Current (I_n) | 125 A |
| Rated Residual Current | 500 mA |
| Rated Conditional Short-Circuit Current (I_{nc}) | 10 kA |
| Rated Service Short-Circuit Breaking Capacity (I_{cs}) | 1 kA |
| Maximum Surge Current | 3 kA |
| Leakage Current Type | B |
| Rated Frequency (f) | 50 Hz |
| Power Loss | at Rated Operating Conditions per Pole 7.5 W |
| Power Supply Connection | Arbitrary |
| Electrical Endurance | 10000 cycle |
| Number of Poles | 4 |
| Number of Modular Spacings per DIN Rail | 4 |
| Operating Characteristic | Instantaneous (APR High Immunity) |
| Position of Neutral Terminals | Left |
| Actuator Type | Toggle - Insulation group I - II, RAL 5015 |
| Housing Type | Insulation group I - II, RAL 7035 |
| Mounting Type | DIN-Rail |
| Options Provided | None |
| Accessories Available | Yes |
| Connecting Capacity | Busbar 10 mm ² Rigid 35 ... 35 mm ² Flexible 35 ... 35 mm ² |
| Rated Cross-Section | 4 - Multi-Wired 0...25 mm ² |

1 - Solid-Core 35...35 mm²

Material Compliance

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| RoHS Information | 9AKK106713A5610 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20100528 |
| REACH Declaration | 9AKK108467A9482 |
| REACH Information | True - contains substances > 0.1 mass percentage |
| REACH Date | 20240429 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| SCIP | 1260ecb6-5200-40ff-b2e0-368a5c7da280 Italy (IT) |

Environmental

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|---------------------------|-----------------------|
| Ambient Temperature | -25...40 °C |
| Ambient Air Temperature | Operation -25...40 °C |
| Degree of Protection | IP2X |
| Pollution Degree | 2 |
| Environmental Information | Refer to RoHS |

Technical UL/CSA

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|-------------------------------------|--------|
| Short-Circuit Current Rating (SCCR) | 500 mA |
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Dimensions

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|-------------------------------------|----------|
| Width in Number of Modular Spacings | 4 |
| Product Net Width | 0.072 m |
| Product Net Height | 0.085 m |
| Product Net Depth / Length | 0.069 m |
| Product Net Weight | 0.500 kg |
| Built-In Depth (t ₂) | 69 mm |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 80 mm |
| Package Level 1 Height | 82 mm |
| Package Level 1 Depth / Length | 94 mm |
| Package Level 1 Gross Weight | 0.545 kg |
| Package Level 1 EAN | 8012542730439 |

Ordering

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|------------------------|---------|
| Minimum Order Quantity | 1 piece |
| E-Number (Finland) | 3210605 |

Certificates and Declarations

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| Declaration of Conformity - CE | 9AKK106713A5602 |
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Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 9AKK106354A0846 |
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Popular Downloads

| | |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 9AKK107991A8329 |
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Classifications

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|----------------------------|--|
| ETIM 8 | EC000003 - Residual current circuit breaker (RCCB) |
| ETIM 9 | EC000003 - Residual current circuit breaker (RCCB) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Consumer |
| CN8 | 85363030 |
| eClass | V11.0 : 27142201 |
| Object Classification Code | F |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|--|------------------|----------|-----------------|
| 2CSF200922R0001 | F2 125A-B S/H Signal / Auxiliary contact | F2-125A-B-S/H | 1 | piece |
| 2CSF200997R1214 | F2-CM4 125A-24V Motor operating device | F2-125A-24V-CM4 | 1 | piece |
| 2CSF200997R1205 | F2-CM4 125A-230V Motor operating device | F2-125A-230V-CM4 | 1 | piece |

Categories

Low Voltage Products and Systems → Modular DIN Rail Products → Residual Current Devices RCDs → Residual Current Devices RCDs

