

PRODUCT-DETAILS

F204 A-100/0.03 AP-R

F204 A-100/0.03 AP-R Residual Current Circuit Breaker 4P A type 30 mA



General Information

| | |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | F204 A-100/0.03 AP-R |
| Product ID | 2CSF204401R1900 |
| EAN | 8012542919506 |
| Catalog Description | F204 A-100/0.03 AP-R Residual Current Circuit Breaker 4P A type 30 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 provides the best compromise between safety and continuity in the service, thanks to the resistance to unwanted trippings. |

ABB EcoSolutions

| | |
|------------------|-----|
| ABB EcoSolutions | Yes |
|------------------|-----|

Circular Value

| | |
|--------------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 52,5 % |
| Group Waste to Landfill Target | No non-hazardous waste is sent to a landfill |
| Sustainable Material | Recycled Paper - 78 % |

Content in Packaging

| | |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Improved Resource Efficiency for Customers | Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset |
| Offered with Extended Lifetime | Product Durability |
| Offered with Takeback Services | Take Back for Recycling |
| End of Life Instructions | 9AKK108468A4361 |

Eco Transparency

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

Technical

| | |
|------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Standards | IEC/EN 61008 UL 1053 |
| Type of Residual Current | A type |
| 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) | 100 A |
| Rated Residual Current | 30 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 | A |
| Rated Frequency (f) | 50 ... 60 Hz |
| Power Loss | at Rated Operating Conditions per Pole 8.2 W |
| Power Supply Connection | Arbitrary |
| Electrical Endurance | 10000 cycle |
| Number of Poles | 4 |
| Operating Characteristic | Instantaneous (APR High Immunity) |
| Position of Neutral Terminals | Right |
| 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...35 mm ² 1 - Solid-Core 35...35 mm ² |

Material Compliance

| | |
|---------------------------------------------|------------------------------------------------------------------------|
| RoHS Information | 9AKK106713A5602 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20211115 |
| REACH Declaration | 9AKK108467A9482 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| SCIP | 18f132b0-8f03-4611-9c59-dba03cc369bf Italy (IT) |

Environmental

| | |
|--------------------------------------------|-----------------------------------------------------------|
| Ambient Temperature | -25...55 °C |
| Ambient Air Temperature | Operation -25...55 °C |
| Degree of Protection | IP2X |
| Pollution Degree | 2 |
| Resistance to Vibrations | 20 Cycles with Load 0.8 In: 1g or 1mm 50 ... 150 ... 5 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g 2 shocks 13 ms |
| Environmental Information | Refer to RoHS |

Technical UL/CSA

| | |
|-------------------------------------|-----------------|
| Maximum Operating Voltage UL/CSA | 480Y / 277 V AC |
| Short-Circuit Current Rating (SCCR) | 30 mA |

Dimensions

| | |
|-------------------------------------|----------|
| Width in Number of Modular Spacings | 4 |
| Product Net Width | 0.070 m |
| Product Net Height | 0.085 m |
| Product Net Depth / Length | 0.069 m |
| Product Net Weight | 0.380 kg |
| Built-In Depth (t ₂) | 69 mm |

Ordering

| | |
|------------------------------|-------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Gross Weight | 0.415 kg |

Certificates and Declarations

| | |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 9AKK106713A5602 |
|--------------------------------|-----------------|

Installation

Instructions and Manuals

9AKK107991A6127

Popular Downloads

Data Sheet, Technical
Information

9AKK107991A8329

Classifications

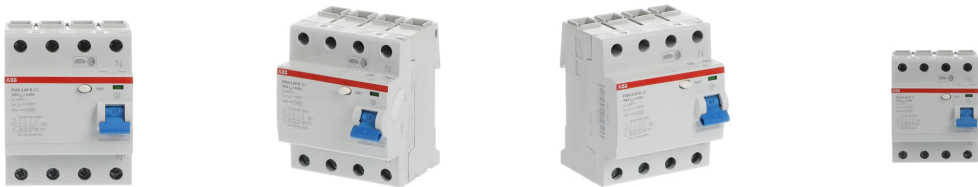
| | |
|---------------------------------------|------------------------------------------------------------|
| ETIM 8 | EC000003 - Residual current circuit breaker (RCCB) |
| ETIM 9 | EC000003 - Residual current circuit breaker (RCCB) |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Consumer |
| CN8 | 85363030 |
| UNSPSC | 39121601 |
| eClass | V11.0 : 27142201 |
| IDEA Granular Category Code (IGCC) | 4875 >> Residual current circuit breaker (RCCB) |
| Object Classification Code | F |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|--------------------------------------|---------------|----------|-----------------|
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact | S2C-H6R | 2 | piece |
| 2CDS200922R0001 | S2C-S/H6R Signal / Auxiliary Contact | S2C-S/H6R | 2 | piece |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary Contact | S2C-H6-11R | 1 | piece |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary Contact | S2C-H6-02R | 1 | piece |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary Contact | S2C-H6-20R | 1 | piece |
| 2CSS200933R0011 | F2C-A1 Shunt trip | F2C-A1 | 1 | piece |
| 2CSS200933R0012 | F2C-A2 Shunt trip | F2C-A2 | 1 | piece |
| 2CSS200911R0005 | S2C-UA 230 AC Undervoltage Release | S2C-UA 230 AC | 1 | piece |
| 2CSS200911R0007 | S2C-UA 24 DC Undervoltage Release | S2C-UA 24 DC | 1 | piece |
| 2CSS200911R0002 | S2C-UA 24 AC Undervoltage Release | S2C-UA 24 AC | 1 | piece |
| 2CSS200911R0008 | S2C-UA 48 DC Undervoltage Release | S2C-UA 48 DC | 1 | piece |
| 2CSS200911R0004 | S2C-UA 110 AC Undervoltage Release | S2C-UA 110 AC | 1 | piece |
| 2CSS200911R0006 | S2C-UA 400 AC Undervoltage Release | S2C-UA 400 AC | 1 | piece |
| 2CSS200911R0001 | S2C-UA 12 DC Undervoltage Release | S2C-UA 12 DC | 1 | piece |
| 2CSS200911R0010 | S2C-UA 230 DC Undervoltage Release | S2C-UA 230 DC | 1 | piece |
| 2CSS200911R0009 | S2C-UA 110 DC Undervoltage Release | S2C-UA 110 DC | 1 | piece |
| 2CSS200911R0003 | S2C-UA 48 AC Undervoltage Release | S2C-UA 48 AC | 1 | piece |
| 2CSS200910R0005 | S2C-OVP1 Overvoltage Release | S2C-OVP1 | 1 | piece |
| 2CSS200993R0005 | S2C-OVP2 Overvoltage Release | S2C-OVP2 | 1 | piece |
| 2CSF200997R0013 | F2C-CM Motor operating device | F2C-CM | 1 | piece |
| 2CSF200996R0013 | F2C-ARI Auto-reclosing unit | F2C-ARI | 1 | piece |

Categories

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



365