



PRODUCT-DETAILS

F204 A-100/0.5

F204 A-100/0.5 Residual Current Circuit Breaker

4P Type A 500 mA



General Information

|                       |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | F204 A-100/0.5                                                                                                                                                                                                                             |
| Product ID            | 2CSF204101R4900                                                                                                                                                                                                                            |
| EAN                   | 8012542918509                                                                                                                                                                                                                              |
| Catalog Description   | F204 A-100/0.5 Residual Current Circuit Breaker 4P Type A 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. |

ABB EcoSolutions

|                      |                 |
|----------------------|-----------------|
| ABB EcoSolutions     | Yes             |
| EcoSolutions Profile | 9AKK108469A3794 |

Circular Value

|                                |                                                               |
|--------------------------------|---------------------------------------------------------------|
| Circular Design Principles     | Design for Closing Resource Loops - Standard EN45555 - 52.5 % |
| Recyclability Rate             |                                                               |
| 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                  | 9AKK108468A4361       |

Eco Transparency

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

Technical

|                                                                  |                                                                |
|------------------------------------------------------------------|----------------------------------------------------------------|
| Standards                                                        | IEC/EN 61008<br>UL 1053                                        |
| Type of Residual Current                                         | Type A                                                         |
| Rated Voltage (U <sub>r</sub> )                                  | 230/400 V                                                      |
| Rated Operational Voltage                                        | 230 / 400 V AC                                                 |
| Rated Insulation Voltage (U <sub>i</sub> )                       | 500 V                                                          |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> )              | 4 kV                                                           |
| Input Voltage Type                                               | AC                                                             |
| Rated Current (I <sub>n</sub> )                                  | 100 A                                                          |
| Rated Residual Current                                           | 500 mA                                                         |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )       | 10 kA                                                          |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ) | 1 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                                                              |
| Number of Modular Spacings per DIN Rail                          | 4                                                              |
| Operating Characteristic                                         | Instantaneous                                                  |
| Position of Neutral Terminals                                    | Right                                                          |
| Mounting Type                                                    | DIN-Rail                                                       |
| Options Provided                                                 | None                                                           |
| Accessories Available                                            | Yes                                                            |
| Connecting Capacity                                              | Busbar 10 mm²<br>Rigid 35 ... 35 mm²<br>Flexible 35 ... 35 mm² |
| Rated Cross-Section                                              | 4 - Multi-Wired 0...35 mm²<br>1 - Solid-Core 35...35 mm²       |

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                                                        |
| REACH Information | True - contains substances > 0.1 mass percentage                       |
| REACH Date        | 20240429                                                               |
| Conflict Minerals | 9AKK108468A3363                                                        |

Reporting Template  
(CMRT)

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.<br>to IEC 60068-2-27 | 25g 2 shocks 13 ms                                        |
| Environmental Information                     | Refer to RoHS                                             |

Technical UL/CSA

|                                        |                 |
|----------------------------------------|-----------------|
| Maximum Operating<br>Voltage UL/CSA    | 480Y / 277 V AC |
| Short-Circuit Current<br>Rating (SCCR) | 500 mA          |

Dimensions

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

Ordering

|                                 |             |
|---------------------------------|-------------|
| Package Level 1 Units           | box 1 piece |
| Package Level 1 Gross<br>Weight | 0.415 kg    |
| E-Number (Finland)              | 3259407     |
| E-Number (Norway)               | 1630572     |

Certificates and Declarations

|                                   |                 |
|-----------------------------------|-----------------|
| Declaration of Conformity<br>- CE | 9AKK106713A5602 |
|-----------------------------------|-----------------|

Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 9AKK107991A6127 |
|--------------------------|-----------------|

Popular Downloads

|                                      |                 |
|--------------------------------------|-----------------|
| Data Sheet, Technical<br>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 | Auxiliary Contact          | S2C-H6R       | 2        | piece           |
| 2CDS200922R0001 | Signal / Auxiliary Contact | S2C-S/H6R     | 2        | piece           |
| 2CDS200946R0001 | Auxiliary Contact          | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0003 | Auxiliary Contact          | S2C-H6-02R    | 1        | piece           |
| 2CDS200946R0002 | Auxiliary Contact          | S2C-H6-20R    | 1        | piece           |
| 2CSS200933R0011 | Shunt trip                 | F2C-A1        | 1        | piece           |
| 2CSS200933R0012 | Shunt trip                 | F2C-A2        | 1        | piece           |
| 2CSS200911R0005 | Undervoltage Release       | S2C-UA 230 AC | 1        | piece           |
| 2CSS200911R0007 | Undervoltage Release       | S2C-UA 24 DC  | 1        | piece           |
| 2CSS200911R0002 | Undervoltage Release       | S2C-UA 24 AC  | 1        | piece           |
| 2CSS200911R0008 | Undervoltage Release       | S2C-UA 48 DC  | 1        | piece           |
| 2CSS200911R0004 | Undervoltage Release       | S2C-UA 110 AC | 1        | piece           |
| 2CSS200911R0006 | Undervoltage Release       | S2C-UA 400 AC | 1        | piece           |
| 2CSS200911R0001 | Undervoltage Release       | S2C-UA 12 DC  | 1        | piece           |
| 2CSS200911R0010 | Undervoltage Release       | S2C-UA 230 DC | 1        | piece           |
| 2CSS200911R0009 | Undervoltage Release       | S2C-UA 110 DC | 1        | piece           |
| 2CSS200911R0003 | Undervoltage Release       | S2C-UA 48 AC  | 1        | piece           |
| 2CSS200910R0005 | Overvoltage Release        | S2C-OVP1      | 1        | piece           |
| 2CSS200993R0005 | Overvoltage Release        | S2C-OVP2      | 1        | piece           |
| 2CSF201998R0034 | Autoreclosing unit         | F3C-AR24      | 1        | piece           |
| 2CSF202998R0034 | Autoreclosing unit         | F3C-AR230     | 1        | piece           |
| 2CSS201998R0033 | Motor Operating Device     | S3C-MOD24     | 1        | piece           |
| 2CSS202998R0033 | Motor Operating Device     | S3C-MOD230    | 1        | piece           |

## Categories

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



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Solutions™