



PRODUCT-DETAILS

F204 AC-100/0.3-L

F204 AC-100/0.3-L Residual Current Circuit  
Breaker 4P Type AC 300 mA



General Information

|                       |                                                                                                                                                                                                                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | F204 AC-100/0.3-L                                                                                                                                                                                                                                                                                                    |
| Product ID            | 2CSF204023R3900                                                                                                                                                                                                                                                                                                      |
| EAN                   | 8012542917700                                                                                                                                                                                                                                                                                                        |
| Catalog Description   | F204 AC-100/0.3-L Residual Current Circuit Breaker 4P Type AC 300 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 suitable for installations where neutral on the left is . |

ABB EcoSolutions

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

Circular Value

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

Eco Transparency

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

Technical

|                                                                  |                                                                |
|------------------------------------------------------------------|----------------------------------------------------------------|
| Standards                                                        | IEC/EN 61008                                                   |
| Type of Residual Current                                         | Type AC                                                        |
| 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                                                           |
| Rated Current (I <sub>n</sub> )                                  | 100 A                                                          |
| Rated Residual Current                                           | 300 mA                                                         |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> )       | 10 kA                                                          |
| Rated Service Short-Circuit Breaking Capacity (I <sub>cs</sub> ) | 1 kA                                                           |
| Maximum Surge Current                                            | 0.25 kA                                                        |
| Leakage Current Type                                             | AC                                                             |
| 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                                                  |
| Position of Neutral Terminals                                    | Left                                                           |
| 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                                                        |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                                        |

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: 1q 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

|                                        |        |
|----------------------------------------|--------|
| Short-Circuit Current<br>Rating (SCCR) | 300 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    |

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                                                   |
| eClass                     | V11.0 : 27142201                                           |
| 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

