



PRODUCT-DETAILS

# F204 A S-63/1

## F204 A S-63/1 Residual Current Circuit Breaker 4P Type A 1000 mA



| General Information   |                                                                                                                                                                                                                                            |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | F204 A S-63/1                                                                                                                                                                                                                              |
| Product ID            | 2CSF204201R5630                                                                                                                                                                                                                            |
| EAN                   | 8012542823605                                                                                                                                                                                                                              |
| Catalog Description   | F204 A S-63/1 Residual Current Circuit Breaker 4P Type A 1000 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 |

| Circular Value                                |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| Circular Design Principles Recyclability Rate | Design for Closing Resource Loops - Standard EN45555 - 52.5 % |
| 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                                                                                               |
| Rated Current (I <sub>n</sub> )                                  | 63 A                                                                                               |
| Rated Residual Current                                           | 1000 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                                            | 5 kA                                                                                               |
| Leakage Current Type                                             | A                                                                                                  |
| Rated Frequency (f)                                              | 50 ... 60 Hz                                                                                       |
| Power Loss                                                       | at Rated Operating Conditions per Pole 4.4 W                                                       |
| Power Supply Connection                                          | Arbitrary                                                                                          |
| Electrical Endurance                                             | 10000 cycle                                                                                        |
| Number of Poles                                                  | 4                                                                                                  |
| Operating Characteristic                                         | Selective                                                                                          |
| Position of Neutral Terminals                                    | Right                                                                                              |
| Mounting Type                                                    | DIN-Rail                                                                                           |
| Options Provided                                                 | None                                                                                               |
| Accessories Available                                            | Yes                                                                                                |
| Connecting Capacity                                              | Busbar 10 mm <sup>2</sup><br>Rigid 25 ... 25 mm <sup>2</sup><br>Flexible 25 ... 25 mm <sup>2</sup> |
| Rated Cross-Section                                              | 4 - Multi-Wired 0...25 mm <sup>2</sup><br>1 - Solid-Core 25...25 mm <sup>2</sup>                   |

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) | 1000 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                  | 0.360 kg        |
| Built-In Depth (t <sub>2</sub> )    | 69 mm           |
| Dimension Diagram                   | 9AKK106354A0759 |

| 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

