

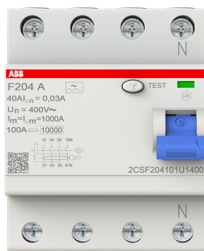



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 PRODUCT-DETAILS

## F204 A-40/0.03 U

### Residual Current Circuit Breaker F200 - 4P - 30 mA - 40 A - Type A




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**General Information**

|                       |                                                                                                                                                                                                                                                              |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | F204 A-40/0.03 U                                                                                                                                                                                                                                             |
| Product ID            | 2CSF204101U1400                                                                                                                                                                                                                                              |
| EAN                   | 8012542819905                                                                                                                                                                                                                                                |
| Catalog Description   | Residual Current Circuit Breaker F200 - 4P - 30 mA - 40 A - Type A                                                                                                                                                                                           |
| 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. Unpacked version. |

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**ABB EcoSolutions**

|                                                   |                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| ABB EcoSolutions                                  | Yes                                                                                                 |
| EcoSolutions Profile                              | 9AKK108469A3794                                                                                     |
| Recyclability Rate of the Product acc. to EN45555 | Design for Closing Resource Loops - Standard EN45555 - 82.05 %                                      |
| ABB Site Meeting Group Waste To Landfill Target   | No non-hazardous waste is sent to a landfill<br>UL 2799 Zero Waste To Landfill Validation available |
| Sustainable Material Content in Packaging (wt. %) | Recycled Paper - 00 %<br>Recycled Paper - 04 %<br>Recycled Cardboard - 29 %                         |

|                                         |                                                        |
|-----------------------------------------|--------------------------------------------------------|
|                                         | Recycled Cardboard - 61 %<br>Recycled Cardboard - 03 % |
| Extended Product Lifetime               | Product Durability                                     |
| End Of Life Disassembling Instructions  | 9AKK108470A1748                                        |
| Environmental Product Declaration - EPD | 9AKK108469A9642                                        |

## Technical

|                                         |                                                                                                                                                                                                |
|-----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Type of Residual Current                | Type A                                                                                                                                                                                         |
| Test Voltage (U <sub>t</sub> )          | 170-254 V                                                                                                                                                                                      |
| Leakage Current Type                    | A                                                                                                                                                                                              |
| Power Supply Connection                 | Arbitrary                                                                                                                                                                                      |
| Electrical Endurance                    | 10000 cycle                                                                                                                                                                                    |
| Mechanical Endurance                    | 20000 cycle                                                                                                                                                                                    |
| Number of Poles                         | 4P                                                                                                                                                                                             |
| Number of Modular Spacings per DIN Rail | 4                                                                                                                                                                                              |
| Operating Characteristic                | Instantaneous                                                                                                                                                                                  |
| Position of Neutral Terminals           | Right                                                                                                                                                                                          |
| Tightening Torque                       | 2.8 N·m                                                                                                                                                                                        |
| Accessory Type                          | Auxiliary contact<br>Auxiliary/Signal contact<br>Shunt trip<br>Undervoltage release<br>Overvoltage release<br>Motor Operating Device<br>Bottom fitting auxiliary contact<br>Autoreclosing Unit |
| Screw Terminal Type                     | Failsafe Bi-directional Cylinder-lift Terminal<br>Cage Terminal<br>Failsafe Biconnect Fork Top/Bottom<br>Failsafe Biconnect Fork Bottom                                                        |
| Options Provided                        | Unpacked                                                                                                                                                                                       |
| 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>                                                                                                               |
| Wire Stripping Length                   | 12 mm                                                                                                                                                                                          |
| Terminal Type                           | Screw Terminals                                                                                                                                                                                |

## Electrical

|                                                     |                  |
|-----------------------------------------------------|------------------|
| 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> )                            | 40 A                                                        |
| Rated Residual Current                                     | 30 mA                                                       |
| Rated Conditional Short-Circuit Current (I <sub>nc</sub> ) | 10 kA                                                       |
| Frequency (f)                                              | 50/60 Hz                                                    |
| Rated Frequency (f)                                        | 50 ... 60 Hz                                                |
| Power Loss                                                 | at Rated Operating Conditions per Pole 3.2 W<br>Total 9.6 W |

## Design

|                   |   |
|-------------------|---|
| Number of Modules | 4 |
|-------------------|---|

## Technical UL/CSA

|                                  |                 |
|----------------------------------|-----------------|
| Maximum Operating Voltage UL/CSA | 480Y / 277 V AC |
|----------------------------------|-----------------|

## Material Compliance

|                                             |                                                                        |
|---------------------------------------------|------------------------------------------------------------------------|
| RoHS Declaration                            | 9AKK106713A5602                                                        |
| RoHS Information                            | 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 Reporting Template (CMRT) | 9AKK108468A3363                                                        |
| SCIP                                        | e8229506-bdcb-47ec-b10f-6ae72c1a19bf Italy                             |
| WEEE Category                               | 5. Small Equipment (No External Dimension More Than 50 cm)             |
| WEEE B2C / B2B                              | Business To Consumer                                                   |

## Environmental

|                                            |                                                          |
|--------------------------------------------|----------------------------------------------------------|
| Ambient Air Temperature                    | Operation -25 ... 55 °C<br>Storage -40 ... 70 °C         |
| Degree of Protection                       | Terminals IP20<br>Housing IP40                           |
| Pollution Degree                           | 2                                                        |
| Resistance to Vibrations                   | 20 Cycles with Load 0.8 In: 1g or 1mm 5 ... 150 ... 5 Hz |
| Resistance to Shock acc. to IEC 60068-2-27 | 25g 2 shocks 13 ms                                       |
| Environmental Information                  | Refer to RoHS                                            |

## Dimensions

|                                     |       |
|-------------------------------------|-------|
| Width in Number of Modular Spacings | 4     |
| Product Net Width                   | 70 mm |
| Product Net Height                  | 85 mm |
| Product Net Depth /                 | 69 mm |

## Length

|                                  |       |
|----------------------------------|-------|
| Product Net Weight               | 360 g |
| Built-In Depth (t <sub>2</sub> ) | 69 mm |

## Ordering

|                              |                |
|------------------------------|----------------|
| Package Level 1 Units        | crate 24 piece |
| Package Level 1 Gross Weight | 9.83 kg        |

## Certificates and Declarations

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

## Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 9AKK107991A6127 |
| Mounting Type            | DIN-Rail        |
| Mounting Position        | Any             |

## Popular Downloads

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

## External Classifications and Standards

|                                    |                                                    |
|------------------------------------|----------------------------------------------------|
| ETIM 9                             | EC000003 - Residual current circuit breaker (RCCB) |
| ETIM 10                            | EC000003 - Residual current circuit breaker (RCCB) |
| UNSPSC                             | 39121601                                           |
| eClass                             | V11.0 : 27142201                                   |
| IDEA Granular Category Code (IGCC) | 4875 >> Residual current circuit breaker (RCCB)    |
| Object Classification Code         | F                                                  |
| Standards                          | IEC/EN 61008<br>UL 1053                            |

## Accessories

| Identifier      | Description                              | Type          | Quantity | Unit Of Measure |
|-----------------|------------------------------------------|---------------|----------|-----------------|
| 2CDS200912R0001 | S2C-H6R Auxiliary Contact 1CO            | S2C-H6R       | 2        | piece           |
| 2CDS200922R0001 | S2C-S/H6R Universal Auxiliary/Signal Con | S2C-S/H6R     | 2        | piece           |
| 2CDS200946R0001 | S2C-H6-11R Auxiliary contact 1NO/1NC     | S2C-H6-11R    | 1        | piece           |
| 2CDS200946R0003 | S2C-H6-02R Auxiliary contact 2NC         | S2C-H6-02R    | 1        | piece           |
| 2CDS200946R0002 | S2C-H6-20R Auxiliary contact 2NO         | S2C-H6-20R    | 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           |
| 2CSF201998R0034 | Autoreclosing unit F3C-AR                | F3C-AR24      | 1        | piece           |
| 2CSF202998R0034 | Autoreclosing unit F3C-AR                | F3C-AR230     | 1        | piece           |
| 2CSS201998R0033 | S3C-MOD24 Motor Operating Device         | S3C-MOD24     | 1        | piece           |
| 2CSS202998R0033 | S3C-MOD230 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

