



PRODUCT-DETAILS

# AR F204 AC-40/0.1

## Residual Current Circuit Breaker F200 - 4P - 100 mA - 40 A - Type AC



| General Information    |                                                                      |
|------------------------|----------------------------------------------------------------------|
| Extended Product Type: | AR F204 AC-40/0.1                                                    |
| Product ID:            | 1TMF204005R2400                                                      |
| EAN:                   | not applicable                                                       |
| Catalog Description:   | Residual Current Circuit Breaker F200 - 4P - 100 mA - 40 A - Type AC |
| Long Description:      | AR F204 AC-40/0,1 Residual Current Circuit Breaker                   |
| Display Name:          | AR F204 AC-40/0.1                                                    |

| Technical                 |            |
|---------------------------|------------|
| Type of Residual Current: | Type AC    |
| Test Voltage (Ut):        | 110-254 V  |
| Maximum Surge Current:    | 0.25 kA    |
| Leakage Current Type:     | AC         |
| Electrical Endurance:     | 1000 cycle |
| Number of Poles:          | 4P         |

**Number of Modular Spacings per DIN Rail: 4**

|                                  |                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Operating Characteristic:</b> | Instantaneous                                                                                                                                              |
| <b>Tightening Torque:</b>        | 2.8 N·m                                                                                                                                                    |
| <b>Accessory Type:</b>           | Auxiliary contact<br>Auxiliary/Signal contact<br>Shunt trip<br>Undervoltage release<br>Overvoltage release<br>Motor Operating Device<br>Autoreclosing Unit |
| <b>Screw Terminal Type:</b>      | Failsafe Bi-directional Cylinder-lift Terminal                                                                                                             |
| <b>Options Provided:</b>         | None                                                                                                                                                       |
| <b>Accessories Available:</b>    | Yes                                                                                                                                                        |
| <b>Rated Cross-Section:</b>      | 4 - Multi-Wired 0...25 mm <sup>2</sup><br>1 - Solid-Core 25...25 mm <sup>2</sup>                                                                           |
| <b>Wire Stripping Length:</b>    | 12 mm                                                                                                                                                      |
| <b>Terminal Type:</b>            | Screw Terminals                                                                                                                                            |

**Electrical**

|                                                                  |                                                             |
|------------------------------------------------------------------|-------------------------------------------------------------|
| <b>Rated Voltage (U<sub>r</sub>):</b>                            | 230/400 V                                                   |
| <b>Rated Operational Voltage:</b>                                | 230 ... 400 V AC                                            |
| <b>Rated Insulation Voltage (U<sub>i</sub>):</b>                 | 500 V                                                       |
| <b>Rated Impulse Withstand Voltage (U<sub>imp</sub>):</b>        | 4 kV                                                        |
| <b>Input Voltage Type:</b>                                       | AC                                                          |
| <b>Rated Current (I<sub>n</sub>):</b>                            | 40 A                                                        |
| <b>Rated Residual Current:</b>                                   | 100 mA                                                      |
| <b>Rated Conditional Short-Circuit Current (I<sub>nc</sub>):</b> | 10 kA                                                       |
| <b>Frequency (f):</b>                                            | 50/60 Hz                                                    |
| <b>Rated Frequency (f):</b>                                      | 50/60 Hz                                                    |
| <b>Power Loss:</b>                                               | at Rated Operating Conditions per Pole 3.2 W<br>Total 9.6 W |

**Design**

|                           |   |
|---------------------------|---|
| <b>Number of Modules:</b> | 4 |
|---------------------------|---|

**Material Compliance**

|                                                     |                                                            |
|-----------------------------------------------------|------------------------------------------------------------|
| <b>RoHS Declaration:</b>                            | 2CSC423001K2702                                            |
| <b>RoHS Information:</b>                            | Following EU Directive 2011/65/EU                          |
| <b>RoHS Date:</b>                                   | 20141120                                                   |
| <b>Conflict Minerals Reporting Template (CMRT):</b> | 9AKK108468A3363                                            |
| <b>WEEE Category:</b>                               | 5. Small Equipment (No External Dimension More Than 50 cm) |

WEEE B2C / B2B:

Business To Consumer

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## Environmental

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|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| 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 0.1mm 5...150...5 Hz |
| Environmental Information: | Refer to RoHS                                          |

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## Dimensions

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|                                      |       |
|--------------------------------------|-------|
| Width in Number of Modular Spacings: | 4     |
| Product Net Width:                   | 70 mm |
| Product Net Height:                  | 85 mm |
| Product Net Depth / Length:          | 69 mm |
| Product Net Weight:                  | 360 g |
| Built-In Depth (t <sub>2</sub> ):    | 69 mm |

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## Ordering

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

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## Certificates and Declarations

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

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## Installation

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

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## Popular Downloads

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|                                    |                 |
|------------------------------------|-----------------|
| Data Sheet, Technical Information: | 9AKK107991A8329 |
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## External Classifications and Standards

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|                                     |                                                    |
|-------------------------------------|----------------------------------------------------|
| ETIM 9:                             | EC000003 - Residual current circuit breaker (RCCB) |
| ETIM 10:                            | EC000003 - Residual current circuit breaker (RCCB) |
| eClass:                             | V11.0 : 27142201                                   |
| IDEA Granular Category Code (IGCC): | 4875 >> Residual current circuit breaker (RCCB)    |
| Object Classification Code:         | F                                                  |

Accessories

| Identifier      | Description                                          | Type       | Qty | 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           |
| 2CSS200910R0005 | S2C-OVP1 Overvoltage release                         | S2C-OVP1   | 1   | piece           |
| 2CSS200993R0005 | S2C-OVP2 Overvoltage release                         | S2C-OVP2   | 1   | piece           |
| 2CSF201998R0034 | Monitoring unit with automatic reclosing F3C-AR - 4P | F3C-AR24   | 1   | piece           |
| 2CSF202998R0034 | Monitoring unit with automatic reclosing F3C-AR - 4P | 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

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Residual Current Devices RCDs > Residual Current Devices RCDs > F204

