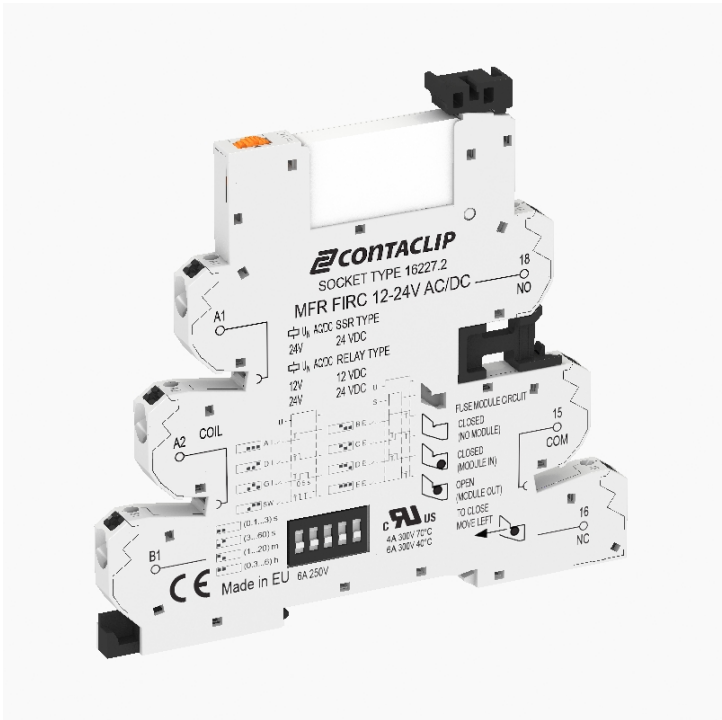


# Data sheet

## 16286.2 MFR FIRCPU 1/24V AC/DC



Multifunction timing relay module, Interface Relay Compact (IRC) Complete, consisting of base MFR-FIRCP ... with Push-in connection and Plug-in miniature relay PRC ... with power contact, Mounting type: TS 35, 1 CO contact, Input voltage : 12 VAC / DC

### Business data

|                                            |                        |
|--------------------------------------------|------------------------|
| Article number                             | 16286.2                |
| Article name                               | MFR FIRCPU 1/24V AC/DC |
| GTIN (EAN)                                 | 4044211200657          |
| Packaging unit                             | 10                     |
| Quantity unit                              | PC                     |
| Weight per piece (not including packaging) | 21.5 g                 |
| Weight per piece (including packaging)     | 21.5 g                 |
| Unit of weight                             | G                      |
| Customs number                             | 85364900               |
| Country of origin                          | DE                     |
| Product description                        | Complete module        |

## 16286.2 MFR FIRCPU 1/24V AC/DC

### Technical data

#### Dimensions

|                            |         |
|----------------------------|---------|
| Length                     | 94.3 mm |
| Width                      | 6.2 mm  |
| Height TS 35 / 7.5 with BA | 95.4 mm |

#### Ratings

|                       |       |
|-----------------------|-------|
| Rated voltage         | 250 V |
| Rated frequency min.  | 50 Hz |
| Rated frequency max.  | 60 Hz |
| Rated impulse voltage | 6 kV  |
| Overvoltage category  | III   |
| Contamination degree  | 3     |

#### Connection data

|                                              |                     |
|----------------------------------------------|---------------------|
| Connection principle                         | Push-in connection  |
| Wire cross-section single core (rigid), min. | 0.2 mm <sup>2</sup> |
| Wire cross-section single-core (rigid), max. | 2.5 mm <sup>2</sup> |
| Wire cross-section stranded, min.            | 0.2 mm <sup>2</sup> |
| Wire cross-section stranded, max.            | 2.5 mm <sup>2</sup> |
| Stripping length                             | 8 mm                |

#### Input data

|                            |                |
|----------------------------|----------------|
| Holding current            | 0,6 Un -       |
| Drop-out voltage           | 0.1 Un         |
| Power supply AC/DC         | 24 V           |
| Control pulse length, min. | 50 ms          |
| Power consumption          | 0,3 W          |
| Tolerance                  | (0,8 - 1,1) Un |
| Power-on duration          | 50 ms          |
| Recovery time              | <50 ms         |

#### Output data

|                                               |                    |
|-----------------------------------------------|--------------------|
| Switching voltage, max.                       | 400                |
| Continuous current max. / Inrush current max. | 6 / 10 A           |
| Switching capacity, max.                      | 1500 VA            |
| Electrical lifespan (AC1)                     | 60x10 <sup>3</sup> |
| Mechanical lifespan                           | 10x10 <sup>6</sup> |
| Contact load, min.                            | 500 mW             |
| Relay contact                                 | 1 CO contact       |

Technical data

Materials

|                           |        |
|---------------------------|--------|
| Contact material          | AgNi   |
| Working temperature, min. | -40 °C |
| Working temperature, max. | 50 °C  |

Time functions

|                |             |
|----------------|-------------|
| Time range     | 0,1 s - 6 h |
| Setting ranges | 4           |

Control contact

|                    |                                          |
|--------------------|------------------------------------------|
| Input              | Voltage applied, terminals A1-B1         |
| Response threshold | Automatically adjusted to supply voltage |

Further technical data

|                           |        |
|---------------------------|--------|
| Status display            | ✓      |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 70 °C  |

Environmental Product Compliance

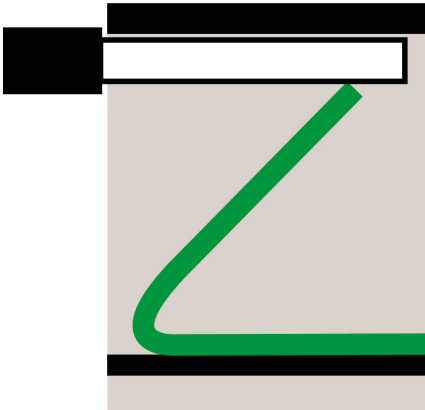
|                                |            |
|--------------------------------|------------|
| REACH Conform                  | yes        |
| REACH Reference date           | 2023-06-14 |
| REACH Candidate Substance Note | No         |
| RoHS Conform                   | yes        |

Approvals

Standards and regulations

|              |     |
|--------------|-----|
| CE compliant | yes |
|--------------|-----|

Media



### Accessories

#### Adapter



Plug adapter for Interface-Relay-Compact (IRC), ribbon plug-in connector, 14-poles, according to IEC 60603-13, for 8 relay channels, Positive switching, Rated voltage: 24 VDC

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>16229.2</u> | FCA/IRC      | 4044211187682 | 10 ST          |



Connection adapter for Interface-Relay-Compact (IRC) with Push-In connection, connection doubler to 2x1.5mm²

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>16354.2</u> | DCA/FIRC     | 4044211204655 | 10 ST          |

#### Fuse modules



Interface-Relay-Compact (IRC) fuse module to combine with IRCP, FIRCP, MFR-IRCP and MFR-FIRCP relays and socket bases, for holding 5x20 fuse, Voltage: 250 V, Current: 6 A

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>16208.2</u> | SM-IRC       | 4044211187637 | 10 ST          |

#### Cross-connector



External cross-connector insulated for Interface-Relay-Compact (IRC), 16-pole, can be shortened, Voltage: 250 V, Current: 6 A

| Article number | Article name  | GTIN (EAN)    | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>16209.4</u> | AQI/IRC/16 BK | 4044211187651 | 10             |

#### Partition plate

# Data sheet

## 16286.2 MFR FIRCPU 1/24V AC/DC



Partition plate for Interface-Relay-Compact (IRC) for separating relay blocks, variable width: 1.5 or 6.2 mm

| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>16228.2</u> | TW/IRC       | 4044211187675 | 10 ST          |

### Quick marking



Device and installation markers / Maxicard, Length: 6 mm, Width: 12 mm, Colour: White

| Article number | Article name    | GTIN (EAN)    | Packaging unit |
|----------------|-----------------|---------------|----------------|
| <u>3884.7</u>  | MC GS 6x12 R WH | 4044211154547 | 600 ST         |



Device and installation markers / Maxicard, Length: 6 mm, Width: 12 mm, Colour: White

| Article number | Article name       | GTIN (EAN)    | Packaging unit |
|----------------|--------------------|---------------|----------------|
| <u>3885.7</u>  | MC GS 6x12 R So WH | 4044211154554 | 600 ST         |

### Screwdriver

Screwdriver with bare blade, Colour: Black-grey



| Article number | Article name | GTIN (EAN)    | Packaging unit |
|----------------|--------------|---------------|----------------|
| <u>1086.0</u>  | SDB 0,6x3,5  | 4044211014797 | 1 ST           |