

**MIRO TR 24VDC 20KHZ IN<1MA FK OPTO-COUPLER MODULE**

IN: 30 VDC - OUT: 48 VDC / 0.2 A

Art.No.: 6652511

Weight: 0.024 kg

Country of origin: CZ

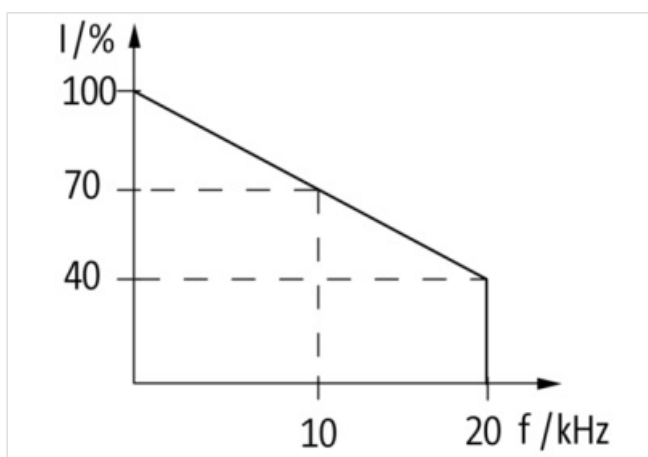
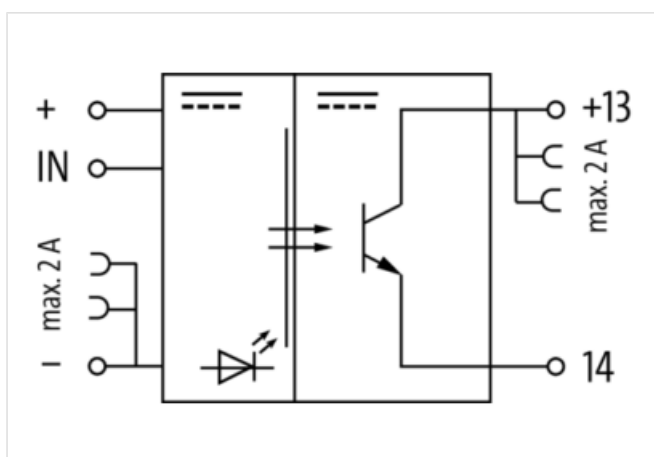
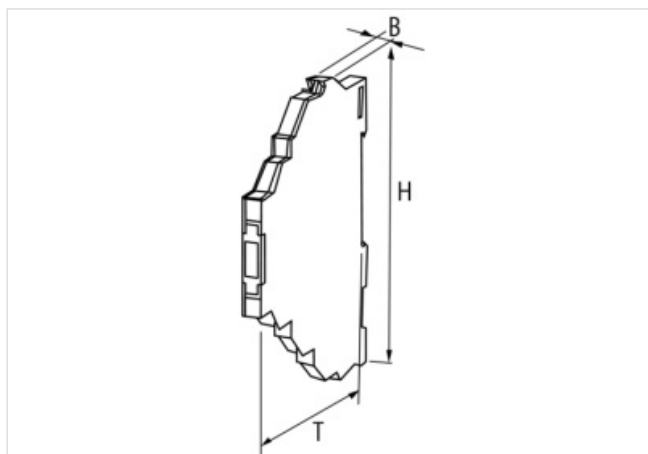
Model designation: MIRO-TR,24VDC,20KHZ,IN&lt;1MA,FK

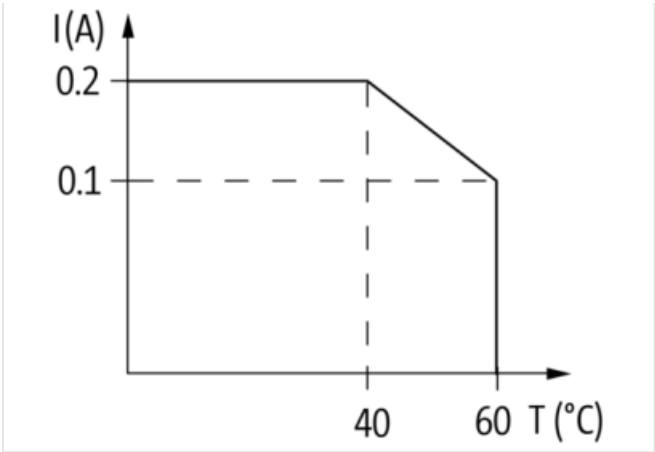
Transistor 0.2 A

24 V DC

Control current 0.1 mA (5 V DC)

Spring clamp terminals

[Link to Product](#)**Illustration**



Product may differ from Image



| Commercial data           |                                         |
|---------------------------|-----------------------------------------|
| URL Webshop               | https://shop.murrelektronik.com/6652511 |
| GTIN                      | 4048879021791                           |
| Customs tariff number     | 85414900                                |
| ECLASS-6.0                | 27371601                                |
| ECLASS-6.1                | 27371604                                |
| ECLASS-7.0                | 27371604                                |
| ECLASS-7.1                | 27371604                                |
| ECLASS-8.0                | 27371604                                |
| ECLASS-8.1                | 27371604                                |
| ECLASS-9.0                | 27371604                                |
| ECLASS-9.1                | 27371604                                |
| ECLASS-10.0.1             | 27371604                                |
| ECLASS-10.1               | 27371604                                |
| ECLASS-11.0               | 27371604                                |
| ECLASS-11.1               | 27371604                                |
| ECLASS-12.0               | 27371604                                |
| ECLASS-13.0               | 27371604                                |
| ECLASS-14.0               | 27371604                                |
| ETIM-5.0                  | EC001504                                |
| ETIM-6.0                  | EC001504                                |
| ETIM-7.0                  | EC001504                                |
| ETIM-8.0                  | EC001504                                |
| customs tariff number     | 85414900                                |
| EAN                       | 4048879021791                           |
| Packaging unit            | 1                                       |
| Electrical data   Input   |                                         |
| Input voltage DC min.     | 15 V                                    |
| Input voltage DC max.     | 30 V                                    |
| Input voltage OFF DC min. | 0 V                                     |
| Input voltage OFF DC max. | 2 V                                     |
| Input current DC max.     | 16 mA                                   |
| Control current           | 0,1 mA                                  |
| Electrical data   Output  |                                         |

|                            |           |
|----------------------------|-----------|
| Voltage drop DC max.       | 1,2 V     |
| Quiescent current OFF max. | 0,1 mA    |
| Switch on delay max.       | 10 µs     |
| Switch off delay max.      | 18 µs     |
| Voltage switching DC min.  | 5 V       |
| Switching voltage DC max.  | 48 V      |
| Switching current min.     | 0,1 mA    |
| Switching current max.     | 0,2 A     |
| Switching frequency max.   | 20.000 Hz |

**Diagnostics**

|                       |        |
|-----------------------|--------|
| Status indication LED | yellow |
|-----------------------|--------|

**Device protection | Electrical**

|                          |         |
|--------------------------|---------|
| Rated insulation voltage | 3.750 V |
|--------------------------|---------|

**Device protection | Media**

|                  |                 |
|------------------|-----------------|
| Flame resistance | flame retardant |
|------------------|-----------------|

**Mechanical data | Material data**

|               |         |
|---------------|---------|
| housing       | Plastic |
| Color housing | black   |

**Mechanical data | Mounting data**

|                            |                           |
|----------------------------|---------------------------|
| Height                     | 91 mm                     |
| Width                      | 6,2 mm                    |
| Depth                      | 70 mm                     |
| Mounting method            | geschnappt                |
| Suitable for mounting type | (EN 60715), mounting rail |

**Environmental characteristics | Climatic**

|                            |        |
|----------------------------|--------|
| Operating temperature min. | -20 °C |
| Operating temperature max. | 60 °C  |

**Connection type 5**

|                          |                           |
|--------------------------|---------------------------|
| Family construction form | terminal                  |
| No. of poles             | 1                         |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | -                         |
| Family construction form | terminal                  |
| No. of poles             | 1                         |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | +                         |
| Family construction form | terminal                  |
| No. of poles             | 1                         |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | In                        |
| Family construction form | terminal                  |
| No. of poles             | 1                         |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| Connection               | Spring clamp terminals FK |

|                          |                           |
|--------------------------|---------------------------|
| PIN 1                    | 14                        |
| Family construction form | terminal                  |
| No. of poles             | 1                         |
| Gender                   | female                    |
| Color contact carrier    | black                     |
| Connection               | Spring clamp terminals FK |
| PIN 1                    | 13                        |