



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



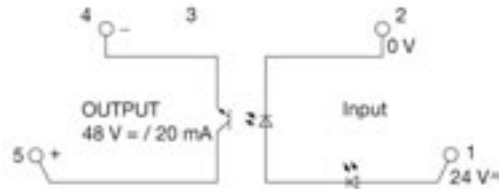
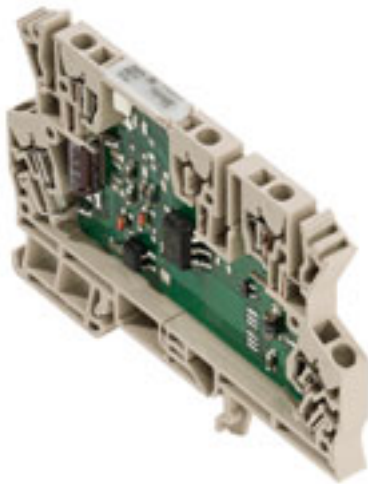
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General ordering data

| | |
|------------------|--|
| Order No. | 8365940000 |
| Part designation | MCZ O 24VUC |
| Version | MCZ SERIES, Optos, 5...48 V DC, 20 mA, Tension clamp connection |
| EAN | 4008190387846 |
| Qty. | 10 pc(s). |

Dimensions

| | |
|----------------------|---------------------|
| Clamping range, nom. | 1.5 mm ² |
| Clamping range, min. | 0.5 mm ² |
| Clamping range, max. | 1.5 mm ² |

temperature

| | |
|-----------------------------------|-----------------|
| Ambient temperature (operational) | -25 °C...+50 °C |
| Storage temperature | -40 °C...+85 °C |

Approvals

| | |
|----------------------|--------------------------|
| Approvals institutes | CSA; CURUS; GOSTME25; CE |
|----------------------|--------------------------|

Control side

| | |
|-------------------------|----------------------|
| Input frequency, max. | AC: 5 Hz / DC: 10 Hz |
| Power rating | 230 mW / 280 mVA |
| Rated auxiliary voltage | No |
| Rated control voltage | 24 V UC ±20 % |

General data

| | |
|-----------------------------|---|
| Standards | EN 50178 |
| Humidity | 40°C / 93% rel. humidity, no condensation |
| Conductor connection system | Tension clamp connection |
| DIN Rail compatibility | TS 35 |

Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load ≥ 5.5 mm side

Insulation coordination (EN 50 178)

| | |
|--|-------|
| Overvoltage category | III |
| Pollution severity | 2 |
| Protective separation acc. to VDE 0106 | Yes |
| Rated impulse withstand voltage | 6 kV |
| Rated voltage | 300 V |

Load side

| | |
|-----------------------------|-----------------------------|
| Protective circuit | Integrated free-wheel diode |
| Pulse loading, max. current | < 150 mA / 10 ms |
| Rated auxiliary voltage | No |
| Rated switching current | 20 mA |
| Rated switching voltage | 5...48 V DC |
| Short-circuit-proof | No |
| Status indicator load side | Green LED |
| Switch-off delay | AC: 45 ms / DC: 40 ms |
| Switch-on delay | AC: 10 ms / DC: 20 ms |
| Voltage drop at max. load | ≤ 1 V |

Classifications

| | |
|------------|-------------|
| ETIM20 | EC001504 |
| ETIM30 | EC001504 |
| eClass 4.1 | 27-27-09-00 |
| eClass 5.0 | 27-27-09-90 |
| eClass 5.1 | 27-27-09-90 |
| eClass 6.0 | 27-27-09-90 |

Similar products

| Order No. | Part designation | Version |
|------------|----------------------|--|
| 8398940000 | MCZ O 5VTTL | MCZ SERIES, Optos, 5...48 V DC, 100 mA, Tension clamp connection |
| 8324610000 | MCZ O 24VDC | MCZ SERIES, Optos, 5 V TTL(4.75...5.25 V), 8 mA, fan out = 20 LS-TTL, Tension clamp connection |
| 8287730000 | MCZ O 24VUC | MCZ SERIES, Optos, 24 V DC ±20%, 2 A, Tension clamp connection |
| 8421060000 | MCZ O 120VUC | MCZ SERIES, Optos, 5...48 V DC, 50 mA, Tension clamp connection |
| 8421380000 | MCZ O 230VAC | MCZ SERIES, Optos, 5...48 V DC, 20 mA, Tension clamp connection |
| 8820710000 | MCZ O TRAK 24.110VDC | MCZ SERIES, Optos, 5...137.5 V DC, 180 mA @ 70 °C, 250 mA @ 50 °C, Tension clamp connection |