



General ordering data

| | |
|------------------|--|
| Order No. | 8324610000 |
| Part designation | MCZ O 24VDC |
| Version | MCZ SERIES, Optos, 5 V TTL(4.75...5.25 V), 8 mA, fan out = 20 LS-TTL, Tension clamp connection |
| EAN | 4008190985431 |
| 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...+40 °C |
| Storage temperature | -40 °C...+60 °C |

Approvals

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

Control side

| | |
|-------------------------|--|
| Input frequency, max. | 100 kHz duty factor 1:2, 50 kHz duty factor 1:10 |
| Power rating | 112 mW |
| Rated auxiliary voltage | No |
| Rated control voltage | 24 V DC ±16 % |

General data

| | |
|-----------------------------|---|
| Solid, max. | 1.5 mm ² |
| 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

| | |
|--|---------------|
| Dielectric strength to mounting rail | 4 kV / 1 min. |
| Overvoltage category | III |
| Pollution severity | 2 |
| Protective separation acc. to VDE 0106 | Yes |
| Protective separation acc. to VDE 0884 | Yes |
| Rated impulse withstand voltage | 6 kV |
| Rated voltage | 300 V |

Load side

| | |
|----------------------------|---------------------------|
| Protective circuit | Diode |
| Rated auxiliary voltage | No |
| Rated switching current | 8 mA, fan out = 20 LS-TTL |
| Rated switching voltage | 5 V TTL(4.75...5.25 V) |
| Short-circuit-proof | No |
| Status indicator load side | Green LED |
| Switch-off delay | 2.5 μ s (at 28 V DC) |
| Switch-on delay | 1 μ s (at 20 V DC) |

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 |
| 8365940000 | MCZ O 24VUC | MCZ SERIES, Optos, 5...48 V DC, 20 mA, Tension clamp connection |
| 8287730000 | MCZ O 24VUC | MCZ SERIES, Optos, 24 V DC \pm 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 |