



#### General ordering data

Order No.	8421380000
Part designation	MCZ O 230VAC
Version	MCZ SERIES, Optos, 5...48 V DC, 20 mA, Tension clamp connection
EAN	4032248006052
Qty.	10 pc(s).

#### Dimensions

Clamping range, nom.	1.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, max.	1.5 mm <sup>2</sup>

#### temperature

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

#### Approvals

Approvals institutes	CSA; CURUS; GOSTME25; CE
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#### Control side

Input frequency, max.	AC: 5 Hz duty factor 1:2
Power rating	2.3 VA
Rated auxiliary voltage	No
Rated control voltage	230 V AC +5 % / -15 %

#### General data

Solid, max.	1.5 mm <sup>2</sup>
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	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	≤ 40 ms
Switch-on delay	≤ 30 ms
Voltage drop at max. load	1.6 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
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 ±20%, 2 A, Tension clamp connection
8421060000	MCZ O 120VUC	MCZ SERIES, Optos, 5...48 V DC, 50 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