



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!



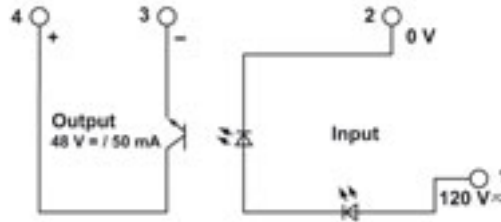
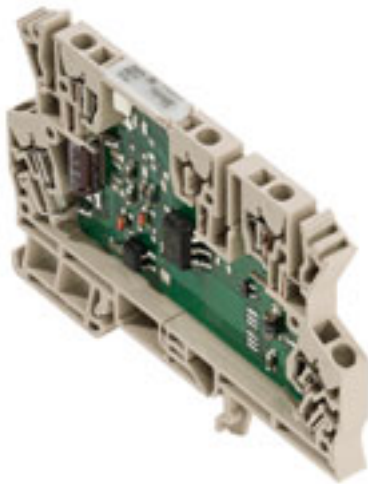
## Contact us

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#### General ordering data

Order No.	8421060000
Part designation	MCZ O 120VUC
Version	MCZ SERIES, Optos, 5...48 V DC, 50 mA, Tension clamp connection
EAN	4032248006045
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...+60 °C

#### Approvals

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

Input frequency, max.	AC: 5 Hz duty factor 1:2, DC: 20 Hz duty factor 1:2
Power rating	350 mW / 400 mVA
Rated auxiliary voltage	No
Rated control voltage	120 V UC +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	50 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
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