

MCZ O 5VTTL

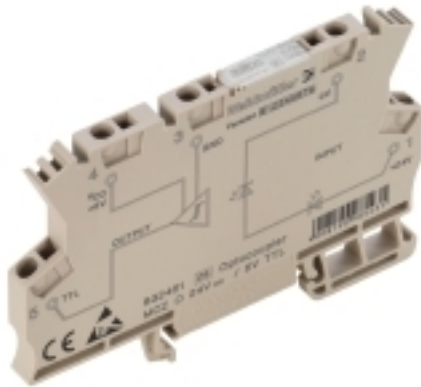
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

High reliability in a terminal block format
MCZ SERIES relay modules are among the smallest on the market. Thanks to the small width of just 6.1 mm, a lot of space can be saved in the panel. All products in the series have three cross-connection terminals and are distinguished by simple wiring with plug-in cross-connections. The tension clamp connection system, proven a million times over, and the integrated reverse polarity protection ensure a high level of safety during installation and operation. Precisely fitting accessories from cross-connectors to markers and end plates make the MCZ SERIES versatile and convenient to use.

- Tension clamp connection
- Integrated cross-connection in input/output.
- Clampable conductor cross-section is 0.5 to 1.5 mm²
- Variants of the MCZ TRAK type are particularly suitable for the transport sector and tested according to DIN EN 50155

General ordering data

Version	MCZ SERIES, Solid-state relay, 1 NO contact (TTL), Rated control voltage: 5 V TTL , Rated switching voltage: 5...48 V DC, Continuous current: 100 mA, Tension-clamp connection
Order No.	8398940000
Type	MCZ O 5VTTL
GTIN (EAN)	4008190985448
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	63.2 mm	Depth (inches)	2.488 °C
Height	91 mm	Height (inches)	3.583 °C
Width	6.1 mm	Width (inches)	0.24 °C
Net weight	20.2 g		

Temperatures

Storage temperature	-40 °C...60 °C	Operating temperature	-25 °C...40 °C
Humidity	40 °C / 93 % rel. humidity, no condensation		

Probability of failure

MTTF	2,114 MPPT
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Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E141197
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Control side

Rated control voltage	5 V TTL	Nominal control current	1.65 mA DC
Power rating	10 mW	Status indicator	Green LED
Nominal auxiliary voltage	5 V DC $\pm$ 5 %		

Load side

Rated switching voltage	5...48 V DC	Continuous current	0.1 A
Voltage drop at max. load	$\leq$ 1.8 V	Switch-on delay	$\leq$ 17 μ s
Switch-off delay	$\leq$ 250 μ s	max. switching frequency (DC control voltage)	2.4 kHz
Protective circuit, load side	Diode circuit	Short-circuit-proof	No
Contact type	1 NO contact (TTL)		

General data

Rail	TS 35		
Test button available	No		
Colour	beige		
UL94 flammability rating component	Component	Housing	
	UL94 flammability rating	V-0	

Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	$\geq$ 5.5 mm
Dielectric strength for control side - load side	1 kV _{eff} / 1 s	Dielectric strength to mounting rail	4 kV _{eff} / 1 Min.
Impulse withstand voltage	6 kV (1.2/50 μ s)	Protection degree	IP20

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Technical data

Further details of approvals / standards

Standards	DIN EN 50178, UL508	Certificate No. (CSA)	154685-1198742
Certificate No. (cURus)	E141197		

Connection data

Wire connection method	Tension-clamp connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 Nm	Clamping range, min.	0.5 Nm
Clamping range, max.	1.5 Nm	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, solid, min.	0.5 Nm
Wire cross-section, solid, max.	1.5 Nm	Wire cross-section, solid, min. (AWG)	AWG 26
Wire cross-section, solid, max. (AWG)	AWG 16	Wire connection cross section, finely stranded, min.	0.5 Nm
Wire connection cross section, finely stranded, max.	1.5 Nm	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 Nm
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 Nm	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 Nm
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 Nm	Blade size	0.6 x 3.5 mm

Classifications

ETIM 6.0	EC001504	ETIM 7.0	EC001504
ETIM 8.0	EC001504	ECLASS 9.0	27-37-16-04
ECLASS 9.1	27-37-16-04	ECLASS 10.0	27-37-16-04
ECLASS 11.0	27-37-16-04		

Important note

Product information	The cable lengths must not exceed 30 m.
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Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Beipackzettel / Package Insert – multilingual
Catalogues	Catalogues in PDF-format
Brochures	

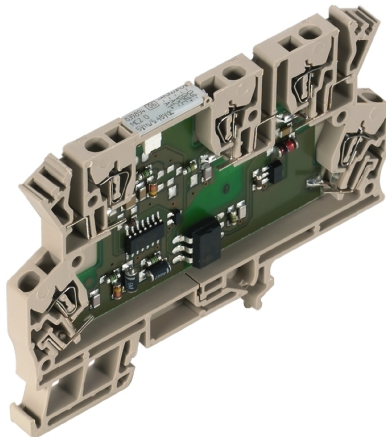
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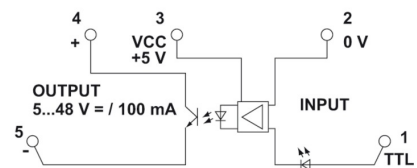
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Drawings

Wiring diagram



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Schaltsymbol

Dimensional drawing

