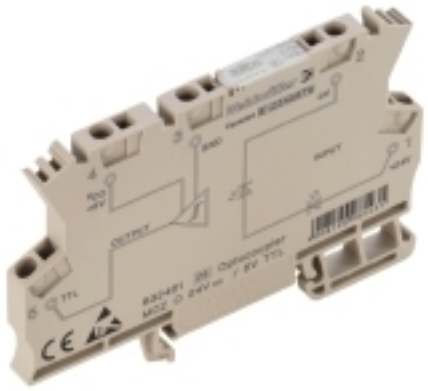
MCZ SERIES
MCZ O 5VTTL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



Similar to illustration

The MCZ O optos, with a width of only 6 mm, are the thinnest in their class.
They are distinguished by the following features:
- Tension clamp connection
- Integrated cross-connection in input/output
  Clampable conductor cross-section is 0.5 to 1.5 mm².

General ordering data

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

MCZ SERIES
MCZ O 5VTTL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Dimensions and weights

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

Temperatures

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

Probability of failure

MTTF	2,114 Years

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Rated data UL

Certificate No. (cURus)	E141197

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 ±5 %		

Load side

Rated switching voltage	5...48 V DC	Continuous current	100 mA
Switch-on delay	< 17 µs	Switch-off delay	< 250 µs
Voltage drop at max. load	≤ 1.8 V	Short-circuit-proof	No
Protective circuit, load side	Diode circuit	max. switching frequency (DC control voltage)	2.4 kHz

Contact data

Contact type	1 NO contact (TTL)

General data

Version	One end without connector	Rail	TS 35
Colour	beige	UL 94 flammability rating	V-0

MCZ SERIES
MCZ O 5VTTL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 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 µs)	Protection degree	IP20

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 mm²	Clamping range, min.	0.5 mm²
Clamping range, max.	1.5 mm²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, solid, min.	0.5 mm²
Wire cross-section, solid, max.	1.5 mm²	Wire connection cross-section, finely stranded, min.	0.5 mm²
Wire connection cross section, finely stranded, max.	1.5 mm²	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 mm²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm²	Blade size	0.6 x 3.5 mm

Classifications

ETIM 3.0	EC001504	ETIM 4.0	EC001504
ETIM 5.0	EC001504	ETIM 6.0	EC001504
UNSPSC	30-21-18-01	eClass 5.1	27-27-09-90
eClass 6.2	27-27-09-90	eClass 7.1	27-37-16-04
eClass 8.1	27-37-16-04	eClass 9.0	27-37-16-04
eClass 9.1	27-37-16-04		

Product information

Product information	The cable lengths must not exceed 30 m.

Approvals

Approvals	
ROHS	Conform

Creation date May 28, 2019 2:35:27 PM CEST

MCZ SERIES
MCZ O 5VTTL

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Technical data

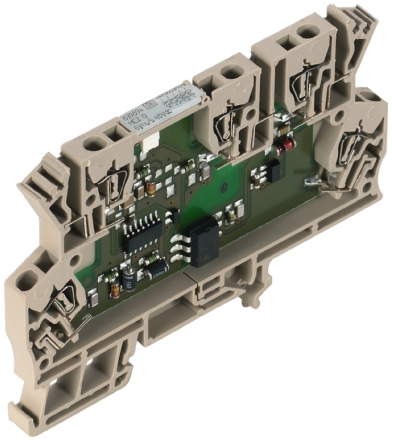
Downloads

Approval/Certificate/Document of Conformity	DE_PA_5600_160311_003.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Operating Instructions

MCZ SERIES
MCZ O 5VTTL

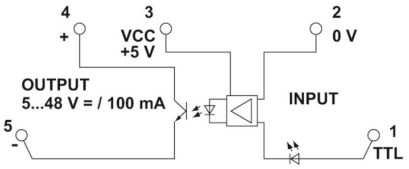
Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings



Similar to illustration

Wiring diagram



Schaltsymbol

Dimensional drawing

