

MCZ OVP HF 24V 0,3A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Surge protection for fast analogue instrumentation circuits

- Slimline overvoltage protection terminal with tension clamp connection
- 6 mm Slimline fine overvoltage protection
- fast wiring thanks to TS contact and tension clamp connections
- can be cross-connected

General ordering data

Version	Surge protection for instrumentation and control, Surge protection for measurement and control
Order No.	8948600000
Type	MCZ OVP HF 24V 0,3A
GTIN (EAN)	4032248738854
Qty.	10 pc(s).

Creation date February 28, 2023 5:29:35 PM CET

Catalogue status 18.02.2023 / We reserve the right to make technical changes.

MCZ OVP HF 24V 0,3A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	63.5 mm	Depth (inches)	2.5 inch
Height	91 mm	Height (inches)	3.583 inch
Width	6 mm	Width (inches)	0.236 inch
Net weight	26.2 g		

Temperatures

Storage temperature	-40 °C...85 °C	Operating temperature	-40 °C...60 °C
Operating temperature, min.	-40 °C	Operating temperature, max.	60 °C

General data

Colour	black	Design	Terminal
Height with TS 35	63.5 mm	Protection degree	IP20
Rail	TS 35	Segment	Measurement - Monitoring - Setting
UL 94 flammability rating	V-0	Version	Surge protection for measurement and control

Insulation coordination acc. to EN 50178

Pollution severity	2	Surge voltage category	III
--------------------	---	------------------------	-----

Rated data IEC / EN

Discharge current, max. (8/20 µs)	5 kA	Fuse	0.5 A
Limiting frequency (-3 dB) at load resistance	100 MHz (measured in 100-Ω system)	Max. continuous voltage, U _c (AC)	28 V
Operating current, I _{max}	0.3 A	Operating voltage	28 A
Protection level on output side Wire-PE 1 kV/µs, typically	80 V	Protection level on output side Wire-PE 8/20 µs, typically	150 V
Protection level on output side Wire-wire 1 kV/µs, typically	80 V	Protection level on output side Wire-wire 8/20 µs, typically	80 V
Rated current I _N	0.5 A	Rated voltage (AC)	24 V
Rated voltage (DC)	24 V	Rated voltage (DC), max.	40 V
Requirements category acc. to IEC 61643-21	D1, C3, C2, C1	Response time	≤ 100 ps
Voltage type	AC/DC	Volume resistance	2.50 Ω

MCZ OVP HF 24V 0,3A**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data**Connection data**

Cross-section	1.5 mm ²	Stripping length	8 mm
Wire connection method	Spring connection	Type of connection	Tension-clamp connection
Stripping length, rated connection	8 mm	Clamping range, rated connection	1.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	1.5 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 16
Wire cross-section, solid, min.	0.5 mm ²	Wire cross-section, solid, max.	1.5 mm ²
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 mm ²	Wire connection cross section, finely stranded, max.	1.5 mm ²
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 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²
Blade size	0.6 x 3.5 mm		

Classifications

ETIM 6.0	EC000943	ETIM 7.0	EC000943
ETIM 8.0	EC000943	ECLASS 9.0	27-13-08-07
ECLASS 9.1	27-13-08-07	ECLASS 10.0	27-13-08-07
ECLASS 11.0	27-13-08-07	ECLASS 12.0	27-17-90-90

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	c9db83e7-2b25-44e1-8d26-da64d426373f

Approvals

Approvals



ROHS	Conform
------	---------

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	WSCAD
User Documentation	Beipackzettel / Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

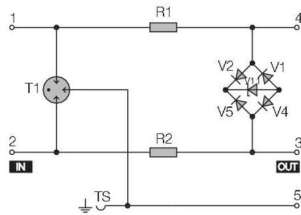
MCZ OVP HF 24V 0,3A

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Drawings

Electric symbol



Circuit diagram