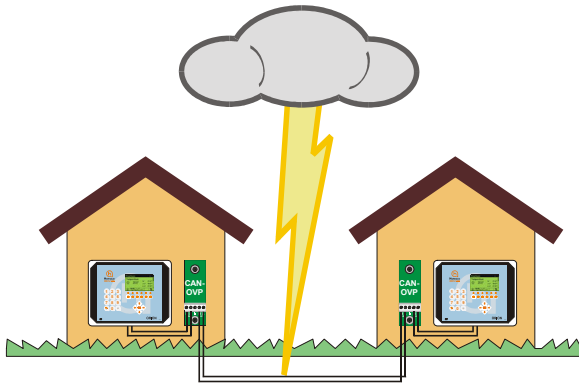


HOTRACO HELPS



CAN-OVP

Overvoltage protection
for CAN bus

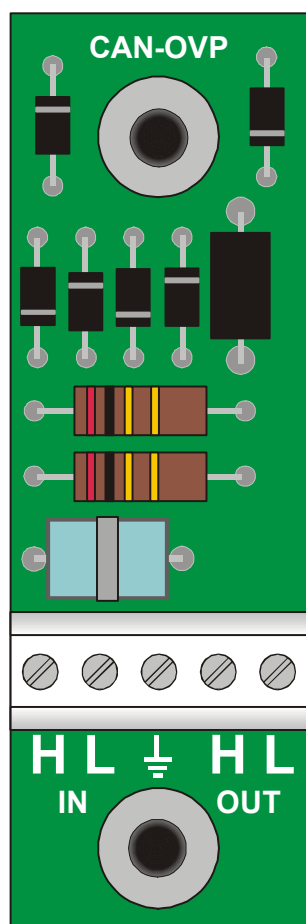
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General

The CAN-OVP is a surge voltage protection device for the CAN-communication. The CAN-OVP can be applied when the communication cable is located between two buildings, by which there is a danger for stroke of lightning.

Technical specification



Electrical	
IEC-category / VDE-class	: C1, C2, C3, D1
Nominal voltage	: 12 Vdc
Arrester rated voltage	: 14 Vdc / 9,8 Vac
Nominal current	: 450 mA
Nominal discharge surge current (8/20) μ s (corer-core)/(core-earth)	: 10 kA / 10kA
Residual surge current (8/20) μ s	: 20 kA
Output voltage limitation at 1 kV/ μ s (core-core)/(core-earth)	: $\leq 25V$ / $\leq 25V$
Residual voltage at I_n (core-core)/(core-earth)	: $\leq 25V$ / $\leq 40V$
Response time (core-core)/(core-earth)	: $\leq 500ns$ / $\leq 500ns$
Input attenuation	: 0,2 dB (≤ 5 MHz)
Cut-off frequency (3dB) in a 100 Ω system	: 70 MHz
Resistance per path	: 2,2 Ω

Complies with CE directives	
EMC	: 2004/ 108 / EC
Low tension	: 2006 / 95 / EC

Mechanical	
Operating temperature range	: -40 ... 85 °C
Dimensions (H x W x D)	: 76 x 25 x 27 mm
Degree of protection	: IP20
Weight	: approx. 0,03 kg

