

ISO-CHECK EV

Power monitoring for power lines
Insulation monitor devices

General Data



PART NUMBERS

ISO-CHECK EV 500

77706710

TECHNICAL FEATURES

| | |
|--|---------------------|
| Aux supply voltage AC 50/60 Hz [V] | 230 |
| Power consumption [VA] | 2 |
| Response value - R_{an} [Kohm] | 40...80 |
| Maximum response time (RLY1) - $t_{RLY1\ max}$ [s] | 1 |
| Minimum non-response time - $t_{RLY1\ min}$ [ms] | 200 |
| Response time - t_{RLY2} [s] | 1, 2, 5, 10 |
| Hysteresis (at $U_n=1.000\ VDC$; $R_{an}=80\ kOhms$) [%] | 10% |
| Hysteresis (at $U_n=1.000\ VDC$; $R_{an}=40\ kOhms$) [%] | 15 |
| Reconnection time - t_r [s] | 10 |
| Measuring voltage (peak value) (RF=Ohm) - U_m [V] | <25 |
| Measuring current (RF=0 Ohm) - I_m [μA] | <1500 |
| Internal DC resistance - R_i [Kohm] | 512 |
| Electromagnetic compatibility - ECM | EN 61000; IEC 61000 |
| Voltage Range DC | 1150V |
| System leakage capacitance - C_e [μF] | ≤ 22.5 |
| Impedance [Kohm] | 512 |

MECHANICAL AND ENVIRONMENTAL FEATURES

| | |
|----------------------------------|---------------------------|
| Temperature range [°C] | -25 ... 70 |
| Indication System Type | LED, Voltage LED |
| Insulating material | Polycarbonate |
| Enclosure - IP | IP20 |
| Flammability class | UL94 V-0 |
| Solid conductor cross section | 0,5...4 mm ² |
| Stranded conductor cross section | 0,5...2,5 mm ² |

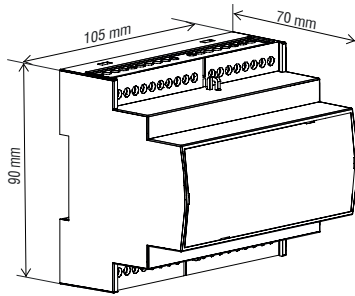
DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2024 Cirprotec SLU | All rights reserved

cirprotec

ISO-CHECK EV

DIMENSIONS AND WEIGHT



| | |
|---------------------------------------|----------------|
| Net Weight [kg] | 0.311 |
| Gross weight [kg] | 0.356 |
| Packaging dimensions (H x W x L) [mm] | 128 x 103 x 90 |