

# ISO-CHECK EV

Power monitoring for power lines  
Insulation monitor devices

## General Data



### PART NUMBERS

ISO-CHECK EV 500

77706710

### TECHNICAL FEATURES

Nominal voltage DC 50-60 Hz - Un [V]	50 ... 500
Aux supply voltage AC 50/60 Hz [V]	230
Power consumption [VA]	2
Response value - Ran [Kohm]	40...80
Maximum response time (RLY1) - tRLY1 max [s]	1
Minimum non-response time - tRLY1 min [ms]	200
Response time - tRLY2 [s]	1, 2, 5, 10
Hysteresis (at Un=1.000 VDC; Ran=80 kOhms) [%]	10%
Hysteresis (at Un=1.000 VDC; Ran=40 kOhms) [%]	15
Reconnection time - tr [s]	10
Measuring voltage (peak value) (RF=Ohm) - Um [V]	<25
Measuring current (RF=0 Ohm) - Im [μA]	<1500
Internal DC resistance - Ri [Kohm]	512
Electromagnetic compatibility - ECM	EN 61000; IEC 61000
Voltage Range DC	1150V
System leakage capacitance - Ce [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 <sup>2</sup>
Stranded conductor cross section	0,5...2,5 mm <sup>2</sup>

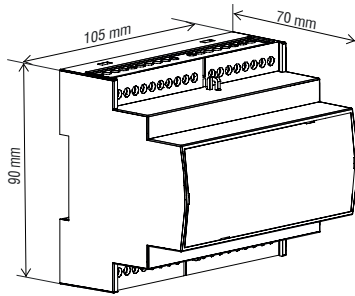
## DATASHEET

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# 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 × 103 × 90