

ISO-CHECK PV

Power monitoring for power lines
Insulation monitor devices

General Data



PART NUMBERS

XXX	600	1000
ISO-CHECK PV XXX	77706704	77706703

TECHNICAL FEATURES

ISO-CHECK PV XXX	600	1000
Nominal voltage DC 50-60 Hz - Un [V]	300 ... 600	500 ... 1000
Aux supply voltage AC 50/60 Hz [V]		230
Power consumption [VA]		2
Response value - Ran [Kohm]		30...80
Maximum response time (RLY1) - tRLY1 max [s]		1
Response time - tRLY2 [s]		1, 2, 5, 10
Relative uncertainty	15%(300V<Un<450V);5%(450V<Un<600V)	15%(500V<Un<750V);5%(750V<Un<1000V)
Hysteresis (at Un=1.000 VDC; Ran=80 kOhms) [%]	15%	10%
Hysteresis (at Un=1.000 VDC; Ran=30 kOhms) [%]	5	15
Reconnection time - tr [s]		60
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

ISO-CHECK PV XXX	600	1000
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

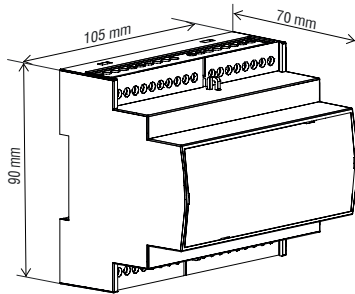
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ISO-CHECK PV

DIMENSIONS AND WEIGHT



ISO-CHECK PV XXX	600	1000
Net Weight [kg]	0.305	
Gross weight [kg]	0.361	
Packaging dimensions (H x W x L) [mm]	128 × 103 × 90	

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