

MULTIFUNCTIONAL AMMETER MEASURING NETWORK'S CURRENT OR DIFFERENTIALS  
FLUSH MOUNTING DIN 96 X 96

ENVIRONMENTAL WORKING CHARACTERISTICS

Working T: -5 ÷ +50°C  
Storage T: -15 ÷ +60°C  
Humidity: ≤90%

STANDARDS / REGULATION

Safety: 61010-1:2001  
EMC: EN61000-6-2  
EN61000-6-4  
CISPR22-EN55022



ELM-4  
ELM-4-485  
ELM 4-PF/S



ELM >>	4	4-485	4-PF/S
<b>Mechanical characteristics</b>	Flush mounting DIN 96 x 96 mm - Depth 80 mm - Panel cut out 92x92 mm - Weight: 0,5 kg		
<b>Auxiliary supply</b>	110-230-400 V - 50-60 Hz		
Option C1	20÷60 Vac/cc		
Option C2	90÷250 Vac/cc		
<b>Protection degree</b>	Frontal IP 52 - Box IP 20 (IP65 with external cover)		
<b>Current inputs</b>	4 inputs 0,05÷5Arms (from external residual toroidal current transformer CT-1... series)		
Option 1 A Δ	4 inputs 0,01÷1Arms (from external residual toroidal current transformer CT-1... series)		
Option 50 A Δ	4 inputs 0,05÷50Arms (from external residual toroidal current transformer CT-1... series)		
Option 5 AL	4 inputs 0,05÷5Arms (from external current transformer .../5A)		
Option 1 AL	4 inputs 0,01÷1Arms (from external current transformer .../1A)		
Option T	isolated inputs with internal CT		
<b>Measured parameters</b>	A1 - A2 - A3 - AN - AΔ1 - AΔ2 - AΔ3 - AΔ4		
<b>Measuring accuracy</b>	Current: < 0.5%		
<b>Frequency measure</b>	40 ÷ 100 Hz		
<b>Communication port</b>	-	1 Rs485 Communication protocol MODBUS-RTU Baud rate 9600-19200 bps	1 PROFIBUS-DP port Baud Rate 3Mbps max
<b>Digital Outputs</b>	2 photomos 10÷300 Vcc/150 mA or 10÷250 Vca/150 mA max for alarms or re-emission pulses (programmable time of pulse 100÷500 m Sec.)	2 photomos 10÷300 Vcc/150 mA or 10÷250 Vca/150 mA max for alarms or re-emission pulses (programmable time of pulse 100÷500 m Sec.)	2 photomos 10÷300 Vcc/150 mA or 10÷250 Vca/150 mA max for alarms or re-emission pulses (programmable time of pulse 100÷500 m Sec.)
<b>Digital inputs</b>	-	1 optoisolated 90÷250Vca/cc for status signalling	1 optoisolated 90÷250Vca/cc for status signalling
<b>Analog outputs</b>	-	-	-
Option Z3A0	-	3 outputs 0-20/4-20 mA completely programmable 16 bit definition(by external toroidal converter serial/analog Z3A0 )	-
<b>Display</b>	4 displays with 10 mm red LED (3 digit of 10 mm - 7 segments)		

\* in this case serial output RS485 can not be used.