

MULTIFUNCTIONAL TRANSDUCER
DIN RAIL WITHOUT VISUALIZATION
WITH HIGH ACCURACY

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

ELECTRICAL COMPATIBILITY CE

Energy: EN61036



EMT >>	4S	4S-TT
Mechanical characteristics	Din rail mounting e modules of 17,5 mm	
Auxiliary supply	110-230-400 V - 50-60 Hz	
Protection degree	Frontal IP 42 - Box IP 20	
Voltage inputs	3 inputs 500V max (possible external VT ratio programmable) Voltage max 40kV	
Current inputs	3 inputs 0,05÷5A rms with external CT ratio programmable (max line current 10.000A)	4 direct current inputs max 32A
Option 1 A	3 inputs 0,01÷1A rms	-
Option N	4° input for neutral current	-
Measured parameters	V, I-I, V, I-n, A - cosfi, f - W, Var, VA - +KWh, -kWh, +kVarh, -kVARh	
Measuring accuracy	Voltage: < 0,5% - Current: < 0,5% - Powers: < 1% - Energies: < 1%	
Option 0,5	Voltage: < 0,2% - Current: < 0,2% - Powers: < 0,5% - Energies: < 0,5%	
Option 0,2	Voltage: < 0,1% - Current: < 0,1% - Powers: < 0,2% - Energies: < 0,2%	
Communication port	1 Rs485 comunication protocol MODBUS-RTU Baud rate 4800-9600-19200-38400 bps	
Option 485M	1 RS485 (Master) communication protocol MODBUS-RTU baud rate 4800-9600-19200-38400 bps	
Digital Outputs	2 photomos 10 ÷ 300Vdc 150mA o 10÷250Vac 150mA for alarm or re emission pulse (programmable time of pulse 100÷300 msec.)	
Option 4DO	4 photomos additional 10 ÷ 300Vcc - 150mA o 10÷250Vac - 150mA for alarms or re-emission pulses (programmable time of pulse 100÷500msec.).	
Option 2DO+2DI	2 photomos additional 10 ÷ 300Vcc - 150mA o 10÷250Vac - 150mA or alarms or re-emission pulses (programmable time of pulse 100÷500msec.).	
Digital inputs	2 optoisolated 90 ÷ 250Vac/dc for changing band or status segnalling	
Option 4DI	4 optoisolated additional 90 ÷ 250Vac/cc for changing band energy meters	
Option 2DO+2DI	2 photomos additional 90 ÷ 250Vac/cc for changing band energy meters	
Analog outputs	3 outputs 0-20/4-20 mA completely programmable 16 bit definition (by external toroidal converter serial/analog Z3A0) *	
Option Z3AO		

(*the **combinazione** of optionals digital outputs and digital inputs **prevede** or 2DI+2DO or 4DO o 4D