

ENERGY METER FLUSH MOUNTING DIN 96 x 96 DIN RAIL 6 MODULES



ENVIRONMENTAL WORKING CHARACTERISTICS

Working T: $-5 \div +50^{\circ}\text{C}$
Storage T: $-15 \div +60^{\circ}\text{C}$
Humidity: $\leq 90\%$

STANDARDS/ REGULATION

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

ELECTRICAL COMPATIBILITY CE

Energy: EN61036:1996



EMC-3B
EMC-3B-485



EMC-D3B
EMC-D3B-485

	EMC 3B	EMC 3B-485	EMC D3B	EMC D3B-485
Mechanical characteristics	Flush mounting DIN 96 x 96 mm Depth 80 mm Panel cut out 92x92 mm Weight: 0,5 kg		DIN rail mounting 6 modules of 17,5 mm Weight: 0,4 kg	
Auxiliary supply	110-230-400 V 50-60 Hz		400 Vac L.L. 50-60 Hz	
OPTION C1	20÷60 Vac/dc			
OPTION C2	90÷250 Vac/dc			
OPTION C3			230 Vac L.L.	
OPTION C4			110 Vac L.L.	
Protection degree	Frontal IP 52 Box IP 20 (IP65 with external cover)		Frontal IP 42 Box IP 20	
Voltage inputs	3 inputs 500 V max (possible external VT ratio programmable 01÷400)			
OPTION 600	3 inputs 600 V max			
Current inputs	3 inputs 0,05÷5A rms with external CT ratio programmable 1÷ 2000			
OPTION 1A	3 inputs 0,01÷1A rms			
OPTION T	Isolated inputs with internal CT			
Measured parameters	kWh, kVarh, KVAh			
Measuring accuracy	Energy: < 1% series 2 CEI-EN61036			
Frequency measure	40 ÷ 100 Hz			
Serial outputs	-		1 Rs485 Communication protocol MODBUS-RTU Baud rate 9600-19200 bps	
Digital outputs	2 photomos 10 ÷ 300Vcc / 150mA o 10÷250Vca / 150mA max for alarms or re-emission pulses (programmable time of pulse 100÷500msec.).		2 photomos 10 ÷ 300Vcc / 150mA o 10÷250Vca / 150mA max for alarms or re-emission pulses (programmable time of pulse 100÷500msec.).	
Digital inputs	1 Optoisolated 90÷250 Vca/cc for changing band energy meters		1 Optoisolated 90÷250 Vca/cc for changing band energy meters	
Display	1 display with 10 mm red LED (3 digit of 10 mm - 7 segments) 8 digit + 1 decimal			