

## 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
<b>Mechanical characteristics</b>	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	
<b>Auxiliary supply</b>	110-230-400 V   50-60 Hz		400 Vac L.L.   50-60 Hz	
<b>OPTION C1</b>	20÷60 Vac/dc			
<b>OPTION C2</b>	90÷250 Vac/dc			
<b>OPTION C3</b>			230 Vac L.L.	
<b>OPTION C4</b>			110 Vac L.L.	
<b>Protection degree</b>	Frontal IP 52   Box IP 20 (IP65 with external cover)		Frontal IP 42   Box IP 20	
<b>Voltage inputs</b>	3 inputs 500 V max (possible external VT ratio programmable 01÷400)			
<b>OPTION 600</b>	3 inputs 600 V max			
<b>Current inputs</b>	3 inputs 0,05÷5A rms with external CT ratio programmable 1÷ 2000			
<b>OPTION 1A</b>	3 inputs 0,01÷1A rms			
<b>OPTION T</b>	Isolated inputs with internal CT			
<b>Measured parameters</b>	kWh, kVarh, KVAh			
<b>Measuring accuracy</b>	Energy: < 1% series 2   CEI-EN61036			
<b>Frequency measure</b>	40 ÷ 100 Hz			
<b>Serial outputs</b>	-		1 Rs485 Communication protocol MODBUS-RTU Baud rate 9600-19200 bps	
<b>Digital outputs</b>	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.).	
<b>Digital inputs</b>	1 Optoisolated 90÷250 Vca/cc for changing band energy meters		1 Optoisolated 90÷250 Vca/cc for changing band energy meters	
<b>Display</b>	1 display with 10 mm red LED (3 digit of 10 mm - 7 segments) 8 digit + 1 decimal			