EMM

MULTIFUNCTION MULTIMETERS
DIN RAIL 3 MODULES

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: EN61036:1996

EMM-µD3VA

EMM-µD3h
EMM-µD3h-p
EMM-µD3h-485

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	EMM µD3VA	EMM µD3h	EMM µD3hp	EMM µD3h-485
Mechanical characteristics	DIN rail mounting 3 modules of 17,5 mm I Weight 0,4 kg			
Auxiliary supply	230 Vac I 50-60 Hz			
OPTION C1	400 Vac			
OPTION C2	110 Vac			
Protection degree	Frontal IP 42 I Box IP 20			
Voltage inputs	3 inputs 500 V max			
Current inputs	3 inputs 0,05÷5A rms with external CT ratio TA programmable 1÷400			
OPTION 1A	3 inputs 0,01÷1A rms			
Measured parameters	V I-l, V I-n,	V I-l, V I-n, A	V I-l, V I-n, A	V I-l, V I-n, A
	A	cosfi, f, ° T, h	cosfi, f, ° T, h	cosfi, f, ° T, h
	f	W, Var, VA	W, Var, VA	W, Var, VA
	h	kWh, kVarh, KVAh	kWh, kVarh, KVAh	kWh, kVarh, KVAh
Measuring accuracy	Voltage: < 0.5% I Current: < 0.5% I Powers: < 1% I Energies: < 1% series 2 I CEI-EN61036			
Frequency measure	40 ÷ 100 Hz			
Serial outputs	-	-	-	1Rs485 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÷500 msec.).	-
OPTION P	2 photomos 10 ÷ 300 Vcc / 150 mA o 10÷250Vca / 150mA max for alarms	-		
Analog outputs				3 outputs 0-20/4-20mA completely programmable - definition16 bit (by external serial/analog converter Z3AO) *
OPTION Z3AO	-	-	-	
Display	3 displays with 10 mm red LED (3 digit of 10 mm - 7 segments)			

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