

EMDX³ multi-function measuring units



for mounting on door or solid faceplate

EMDX³ Supervision system



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Conform to standards:

- IEC 61557-12
- IEC 62053-22
- IEC 62053-23 class 1 for Cat.No 4 120 52 - Class 2 for Cat.No 4 120 53

EMDX³ - Access multi-function measuring units

Pack	Cat.Nos	EMDX ³ - Access multi-function measuring units
1	N 4 120 47	Precision class: 1 For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm • LCD display • Connection with current transformers (CT) • Measurement of currents, voltages, frequency, active, reactive and apparent power and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced • THD voltages and currents • RS 485 communication and Pulse output
1	4 120 52	Precision class: 0.5 For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm • LCD display • Measurement of currents, voltages, active, reactive and apparent power and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - Pulses • THD voltages, currents, and individual harmonic up to order 25 ⁽¹⁾ • RS 485 communication and Pulse output

EMDX³ - Premium multi-function measuring unit

1	4 120 53	For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm • LCD display • Precision class: 0.5 • Measurement of currents, voltages, active, reactive and apparent power, internal temperature and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - THD • Programmable alarms on all functions • Power quality functions: harmonics (U & I) to 40th, dips, swells, interruption, rapid voltage change and flickers • Memory embedded (8 Mb) • RTC (real time clock) Can take 4 EMDX ³ optional modules
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EMDX³ modules

Pack	Cat.Nos	EMDX ³ - Premium multi-function measuring units
1	4 120 55	R485 communication module with Modbus link
1	4 120 59	Pulse output module for energy count 2 independent and insulated outputs
1	4 120 57	2 inputs / 2 outputs module Output can be assigned to alarms on different values
1	4 120 60	2 analog outputs module 0...20 mA and/or 4...20 mA
1	4 120 58	Temperature module 2 Pt100 inputs resistances

1: Available on Modbus COM port

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Pack	Cat.Nos	Energy management software for 1 computer (user licence key)	Number of modules
1	4 149 38	Allows remote configuration, test, control and visualization of data collected from EMDX ³ electrical energy meters and multi-function measuring units and CX ³ energy management system on one computer connected to the network 30-day free trial version available for download via E-Catalogue	
1	4 149 39	Software licence agreement (user key) for 32 Modbus addresses or 32 pulse modules Software licence agreement (user key) 255 Modbus addresses or 255 pulse modules	
1	N 4 149 47	Energy management multi-support web servers Allow remote configuration, test, control and visualization, via a web browser on PCs, smartphones, web viewers, tablet computers, of data collected from: protection devices (DX ³ add-on modules with integrated measurement control unit, DPX ³ and DMX ³), EMDX ³ electricity meters and multi-function measuring units, CX ³ energy management system and Green'up charging stations for electric vehicles.	4
1	4 149 48	rail mounting Direct IP connection Power supply: 9 to 28 V = with the help of a single-phase switching mode power supply Cat.No 1 467 21 (p. 97) to be ordered separately	4
1	4 149 49	Fixing on plate For 255 Modbus addresses or 255 pulse modules Supplied with external power supply and fixing brackets	
1	0 046 89	Communication interface RS485 / Ethernet For RS 485 / Ethernet conversion (for connection to an IP network)	3

Current transformers (CT)
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