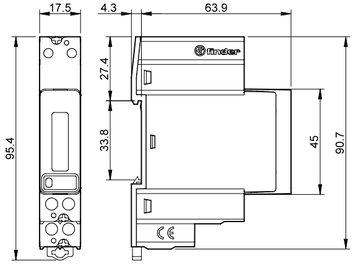
finder
SWITCH TO THE FUTURE



7M.24





M-Bus

Type	M-Bus
Speed	300 to 9600 bit/s, default 2400 bit/s
Primary address	0 - default

Modbus

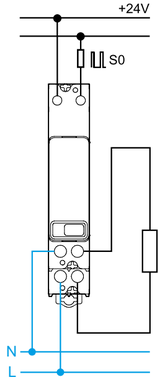
Type	RS485
Speed	1200 to 115200, default 19200 bit/s
Frame	8, N, 2
Protocol	Modbus RTU
Address	33 (default)

IR communication
All settings are fixed

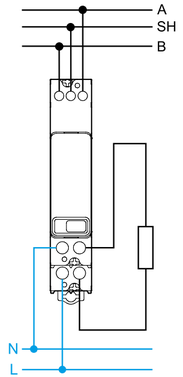
Type	IR
Speed	19200
Frame	8, N, 2
Protocol	Modbus RTU
Address	33

NFC * — 7M.24.8.230.0110/210/310

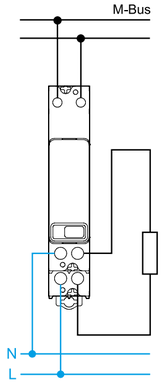
Protocol	ISO/IEC 14443 Part 2 and 3 compliant
Frequency range	13,56 MHz
Baudrate	106 kbps
Operating distance	15mm Max



7M.24.8.230.0001
7M.24.8.230.0010
7M.24.8.230.0110*



7M.24.8.230.0210*



7M.24.8.230.0310*

Utility Model - IB7M24VXX - 09/22
Finder S.p.A. con unico socio - 10040 ALMESE (TO) - ITALY

ENGLISH

7M.24
Digital energy meter for the measurement of active energy suitable for electrical systems with the neutral conductor

The energy meters are intended for installation on a 35 mm DIN rail carried out by qualified personnel and installed inside switchboard.

Technical data		
Nominal current / Maximum current	In / Imax	5/40 A
Minimum measured current		0.25 A
Supply (& monitored) voltage	U_N	230 V
Operating range		$(0.8…1.15)U_N$
Frequency		50/60 Hz
Max. totalising count / Min. increment		999999.9 / 0.1 kW/h
Accuracy class EN 50470-3 NO MID/MID		1/B
S0 Output Specification		3.3…27 V DC / 27 mA
Pulse per kWh		1000 pulse length 32 ± 2 ms
Maximum cable length @ 27 V / 27 mA		1000 m
Main inputs - wiring size		1.5…10 mm²
Lenght of removed isolation		10 mm
Ferrule contact lenght		12 mm
Screw torque		0.8 Nm - PZ2
S0 terminals interface - wiring size		0.05…2.5 mm²
Screw torque		0.6 Nm
Lenght of removed isolation		8 mm
Ambient temparature °C		–25°C…+55°C (in the absence of condensation)

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Model	Communication Port	MID	S0 Output	IR communication port	NFC programming
7M.24.8.230.0001	NO COM	–	•	–	–
7M.24.8.230.0010	NO COM	•	•	–	–
7M.24.8.230.0110	NO COM	•	•	•	•
7M.24.8.230.0210	MODBUS RS485	•	–	•	•
7M.24.8.230.0310	M-BUS	•	–	•	•

Nominal / frequency voltage	230 V 50/60 Hz
Current value: starting / minimum / maximum	0.02 / 0.25 / 40 A
Meter constant metrological LED	1 imp / Wh
Type approval certification	SI19-11-010MID
Active energy precision class	Class B kWh EN 50470-3
MID approval symbol	M20
Tipo di certificato di approvazione	SI19-11-011
Reactive energy precision class	Class 2 kvarh EN 62053-23
MID approval code	1376
Wiring type	1 phase, 2 wires
Mechanical environment	M1
Electromagnetic environment	E2

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