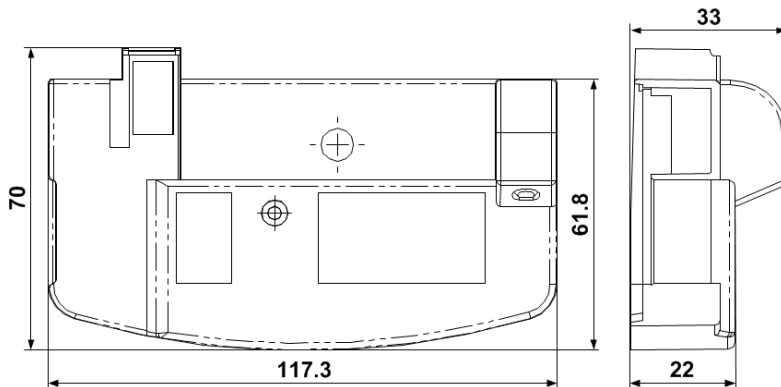


CM71.X

COMMUNICATION MODULE FOR SINGLE-PHASE METERS DESIGNED FOR USE IN UP-TO-DATE AMI/AMR SYSTEMS



OVERALL DIMENSIONS (mm)



PLACEMENT UNDER METER TERMINAL BLOCK COVER



3GPP INTERFACE*

- 2G bands: GSM 850, EGSM 900, DCS 1800, PCS 1900
- 3G bands: B1 (2100 MHz), B2 (1900 MHz), B6 (800 MHz), B8 (900 MHz)
- 4G bands: B20 (800 MHz), B3 (1800 MHz), B7 (2600 MHz)
- CDMA2000 band: 450 MHz
- Direct communication upstream with the head-end system
- Data transmission: by schedule or on request from the head-end system
- SMA connector for external antenna

M-BUS INTERFACE*

- Wireless M-Bus
- Baud rate up to 38400 bps
- EN 13757 series standards compliance
- Communication downstream with:
 - 3rd party HAN devices, such as water, gas and heat meters
 - Customer Interface Units
 - M-Bus adapters to the customer appliances
- Data transmission: by schedule or on request from the head-end system
- SMA connector for external antenna

RS485 INTERFACE*

- Communication downstream to interconnect meters within the same metering cabinet or in close proximity and a meter with a 3GPP modem. This provides possibility to use a single communication module to transmit data from all these meters
- Data transmission: on request from the head-end system for a specified meter

USB INTERFACE

- USB 2.0 Full Speed compatible
- Baud rate 12 Mbps
- Provides link between the meter and communication module

POWER LOAD CONTROL*

- 2 built-in low-power relays, which control external contactors

ADDITIONAL POWER SUPPLY*

- Battery, which provides possibility to send a "last gasp" event to the head-end system in case of power failure

POWER CONSUMPTION

- Self-consumption in stand-by mode: not more, than 1.5 W
- Self-consumption during transmission: not more, than 2 W

DESIGN

- Interchangeable modules
- Installation under meter terminal block cover, which may be sealed
- Housing made of light-tone non-flammable polycarbonate

* optional, depending on CM model

ORDERING INFORMATION

CM MODEL CM71.X-X	SUPPORTED FEATURES								
	2G	3G	4G	CDMA	Wireless M-Bus	RS-485	USB	Battery	Extra relay
B					+		+		
C1-1				+			+		
FB			+		+		+	+	
G-3	+						+		
GB-1	+				+		+		
R-1-1						+	+		
R-2-1*						+	+		2
RB-1-1					+	+	+		2
RFB-1-1			+		+	+	+		2
RG-1	+					+	+		
U-3		+					+		
UB-1		+			+		+		

* with pulse output

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