



# COMMUNICATION AND DATALOG MODULES

## Electricity Meter Plug-in Modules

	RSM 310	GPR 110 / 310	PLC 110 / 310	RSR 310	MGX 310	ETH 110 / 310
Basic Functions	Communication	Communication	Communication	Communication	Communication and Datalogging	Communication
Rated Voltage $U_n$	230 V	230 V	230 V	12 - 24 V= or 12 to 18 V=	230 V	230 V
Rated Frequency $f_n$	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Own Consumption	Up to 4 W	Up to 7 W during communication	Up to 4 W	Up to 50 mA during communication	Up to 4 W	Up to 4 W
Working Temperature Range	-30 to +70°C	-30 to +65°C	-30 to +70°C	-30 to +70°C	-30 to +70°C	-20 to +70°C
Protection Class	IP 51	IP 51	IP 51	IP 51	IP 51	IP 51
Electric Strength	4 kV	4 kV	4 kV	4 kV	4 kV	4 kV
Communication Bus	RS 485	GSM / GPRS	Power Line Communication	RS 485	RS 485 / Optical	Ethernet / LAN
Communication Protocol	As per CSN EN 62056-21		Lon Talk protocol	As per CSN EN 62056-21	As per CSN EN 62056-21	TCP / IP, ...
Communication Medium	Twisted pair in bus topology	GSM transfer	Power Line 230 V	Twisted pair in bus topology	Twisted pair in bus topology	Ethernet cable / LAN
Signal Light Diodes (LED)						
Red	-		Service information	Optional	Optional	-
Green	Communication Rx	Refer to technical specification	Data transfer in progress	Communication Rx	Communication Rx	Communication Rx
Yellow	Communication Tx		Communication band	Communication Tx	Communication Tx	Communication Tx
POWER	Power supply		-	Communication Tx	Power supply	Power supply
Other Functions / Options		- Real time clock - Event logging - Profile measuring - Up to 2 output relays	- 1 or 2 output relays	- 1 or 2 output relays	- Load profile logging - Time programmable register readout and data logging (separate data) - Real time clock	

