

MT691

SMART ELECTRICITY METER.



The MT691 basic smart meter was developed specifically for the German market and meets the specifications of the FNN MS2020 project as well as other market requirements. The meter is intended for use in households and small businesses.

FEATURES

- Long-term stability of measurement accuracy.
- Great reliability and long service life.
- Suitable for photovoltaic systems (EEG systems).
- Simple, safe, and quick plug-and-play installation.
- Compact housing made of self-extinguishing polycarbonate.
- Direct connection to SMGW.
- Data security in accordance with BSI requirements.
- Added value through two-line information display.
- Optical LMN communication interface on the back ~ 1 Mb / s.
- Front INFO IR communication interface.

KEY BENEFITS

- COSEM/OBIS.
- Magnetic field manipulation detection (optional).
- Suitable for EEG systems.
- Consumption since last reset.
- Double tariff version according to EDL FNN LH specifications.
- Data protection via PIN.
- Sealing pin with position detection.
- Signature formation.
- Optical display of the operation.
- SML, TLS, HDLC.
- Historical consumption values.
- Uni-directional or bi-directional energy measurement.

MT691

TYPE OVERVIEW

Network	Low voltage	•
Connection type	1P2W	•
	3P4W	•
Communication	LMN interface	•
	INFO interface	•

TECHNICAL SPECIFICATIONS

Nominal voltage U_n			3 x 230/400 V, 230 V
Voltage range			0.8 U_n – 1.15 U_n
Current	Nominal current	I _b	5 (60) A
Accuracy class	Active energy		MID A (EN 50470 - 3)
Temperature range (EN 50470 - 1)	Operation		-25°C to +55°C
	Storage		-40°C to +80°C
Ingress protection of water and dust (EN 60529)			IP54

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