

MT681

ELECTRONIC EDL HOUSEHOLD METER.



The MT681, developed according to the EDL concept, is a static three-phase active consumption meter for the household sector. The meter offers customers with actual energy consumption and thus the possibility to control energy consumption. With its small dimensions and low installation, reading and operating costs, the MT681 is particularly suitable as a replacement for the existing mechanical three-phase electricity meter based on the Ferraris principle. The MT681 complies with the EN 50470-3 standard and is manufactured in accordance with ISO 9001.

FEATURES

- Modern household meter for the liberalized energy market.
- Bi-directional interface (MSB).
- Basic meter based on the EDL21 concept with activatable EDL40 functionality (meter design according to the FNN specification sheet, EDL version 1.2).
- Active consumption measurement in three phase and four-conductor networks or single-phase networks without adaptation.
- Uni-directional optical customer interface for meter reading (INFO).
- Capacitive power supply – no interference from radio ripple control receivers.
- Energy efficient through low energy consumption.
- Easy wiring-free installation due to innovative insertion technology.
- Double tariff.

KEY BENEFITS

- Active consumption meter.
- Connection.
- Dual tariff function.
- Suitable for photovoltaic systems.
- Optical meter operator interface.
- Optical customer interface.
- Smart Message Language.
- Protection against ingress of water and dust.
- Data access protection via PIN.
- Uni-directional or bi-directional energy measurement.

MT681

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 | lb | 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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