

Code: MEW-01/1F

## ELECTRIC ENERGY MONITOR **MEW-01/1F** SUPLA ONE-PHASE ZAMEL

The MEW-01/1F is a three-phase and two-way monitor, so it is suitable for monitoring both energy consumed and fed into the power grid.

**Attention!** The device can operate as a three-phase monitor after purchasing additional transformers.

The MEW-01/1F device is designed to mount on DIN TS-35 rail.



Support:	SUPLA
Device type:	Electric Energy Monitor, One-phase / Three-phase
Wireless:	Wi-Fi, 2.4 GHz - IEEE 802.11 b/g/n
Rated voltage:	230 V / 400 V AC, 50 / 60 Hz
Voltage tolerance:	-20 % ... 15 %
Measurement unit:	kWh
Measurement method:	Semi-indirect measurement using an current transformer - 1 pcs included
Current:	100 A - Max. current
LCD display:	—
RS-485 ports:	—
Connectors type:	screw terminals max. 2.5 mm <sup>2</sup>
Mobile phones support:	The <a href="#">SUPLA</a> free application on Android The <a href="#">SUPLA</a> free application on iOS

Measured parameters:	<ul style="list-style-type: none"> <li>• frequency</li> <li>• Voltage</li> <li>• Current</li> <li>• Nominal power</li> <li>• Reactive power</li> <li>• Apparent Power</li> <li>• Power factor</li> <li>• Phase angle</li> <li>• Active power consumed</li> <li>• Active power returned</li> <li>• Reactive power consumed</li> <li>• Reactive power returned</li> </ul>
Main features:	<ul style="list-style-type: none"> <li>• Control from a Web browser</li> <li>• Data export in ".csv", ".ods", ".xlsx", ".html" formats</li> <li>• Working with Home Assistant, Grafana, Zabbix, Power BI</li> <li>• Compliance with the MQTT protocol</li> <li>• Two-way monitor</li> <li>• Monitoring of voltage spikes</li> <li>• LED indication</li> <li>• Possibility to manually program scenarios from the built-in API</li> <li>• Possibility of integration with external software</li> <li>• The external SMA RP connector allows to move the antenna outside the distribution board</li> </ul>
Housing:	Plastic, DIN, TS-35 rail mounting
"Index of Protection":	IP20
Operation temp:	-10 °C ... 55 °C
Width in 17.5 mm modules:	2
Weight:	0.1 kg
Dimensions:	90 x 84 x 35 mm
Manufacturer / Brand:	ZAMEL
Guarantee:	2 years