





# Energy meter

|                           | Singlephase   | Threephase  | Threephase SE   | Wireless<br>(rTM System)   |
|---------------------------|---|---|---|--|
| Part-number               | MT1*  | MT3*  |   | WS01C*   |
|                           |  |    |   |       |
| Self-Powered supply       | ±20% of the rated measuring input voltage 45 to 65Hz                              | 18...260 Vac (48...62Hz) VL1-N  | 18...260 Vac (48...62Hz) VL1-N  | 85 to 250Vac<br>50/60 Hz   |
| Power consumption         | ≤11VA/1,9W  | ≤2,6VA  | ≤2,6VA  | -  |
| Current range             | 65A (direct without CT)   | 5A (to use with ex. CT)   | 5A (to use with ex. CT)   | 10A  |
| Voltage                   | 230Vac  | AV5: 400V (LL)<br>AV6: 120/230V (LL)  | AV5: 400V (LL)<br>AV6: 120/230V (LL)  | 250Vac (LN)  |
| Class                     | 1 according EN62053-21 B<br>according EN50470-3                                   | 1 according EN62053-21<br>2 according EN62053-23<br>B according EN50470-1-3   | 1 according EN62053-21<br>2 according EN62053-23<br>B according EN50470-1-3   | -  |
| Display                   | LCD built-in  | Optional  | Optional  | -  |
| Output                    | RS485 Modbus protocol   | RS485 Modbus protocol   | RS485 Modbus protocol   | Relay 10A (res.) 250Vac  |
| Baud-rate                 | 4800, 9600 bit/s  | 4800, 9600 bit/s  | 9600, 19200, 38400, 57600, 115200 bit/s   | -  |
| Operating condition range | -25...55°C<br>humidity range: <80% rH non-cond.                                   | -25...55°C<br>humidity range: <80% rH non-cond.   | -25...55°C<br>humidity range: <80% rH non-cond.   | -10°C/55 °C<br>humidity range: <80% RH non-cond.   |
| Housing                   | 4 rail-din moduls   | 4 rail-din moduls   | 4 rail-din moduls   | plug for socket  |
| Index of protection       | Frontal IP50 Connections IP20   | Frontal IP50 Connections IP20   | Frontal IP50 Connections IP20   | IP30   |
| In accordance with        | EN60470-1, IEC60664, IEC61010, EN60664, EN61010, EN50470-1, EN470-3, CE           | EN60664, IEC61010-1 EN, EN60664, EN61010, EN62052-11, EN62053-21, EN62053-23, EN50470-3, DIN43864, IEC 62053-31, CE, cULus listed | EN60664, IEC61010-1 EN, EN60664, EN61010, EN62052-11, EN62053-21, EN62053-23, EN50470-3, DIN43864, IEC 62053-31, CE, cULus listed | EN 301 489, EN 55014-1:2006 + A 1:2009, EN 61000-3-2:2006, EN 61000-3-3:2008, EN 55014-2 |
| Documentation             | +0500046ML<br>+0300044IE  | +0500047ML<br>+0500048ML<br>+0300044IE  | +0500077ML<br>+0500048ML<br>+0300044IE  | +0500049ML   |