



## PICTURE/ABBILDEN/FIGURA/FIGURE/RYSUNEK

| GROUP/GRUPPE/GRUPPO/GROUPE/GRUPA                                                                                                                                                                                                                                 |  | PARTIAL/BAL. COUNTERS<br>TEIL-/BALANZÄHLER<br>CONTATORI PARZIALI/BILANCIO<br>COMPTEURS PARTIEL/BALANCE<br>CZĘŚCOWY/BAL. LICZNIK                                                                                                                                                                                                                                      |  |
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| <p><b>1</b></p> <p>REAL TIME VALUES (U, I, THD)<br/>ECHTZEITWERTE (U, I, THD)<br/>VALORI ISTANTANEI (U, I, THD)<br/>VAL. INSTANTANEI (U, I, THD)<br/>WARTOŚCI W CZASIE REZYMISTWY (U, I, THD)</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>230.2<br/>230.2<br/>230.2</p> |  | <p><b>5</b></p> <p>MAIN SETUP<br/>HAUPTMENSTELLUNGEN<br/>PROGRAMMAZIONE PRINCIPALE<br/>PROGRAMACIJA PRINCIPALNA<br/>GŁÓWNA KONFIGURACJA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>PR<br/>8888<br/>8888</p>                                                                                                                                                                |  |
| <p><b>2</b></p> <p>REALTIME VALUES (P, Q, S)<br/>ECHTZEITWERTE (P, Q, S)<br/>VALORI ISTANTANEI (P, Q, S)<br/>VAL. INSTANTANEI (P, Q, S)<br/>WARTOŚCI W CZASIE REZYMISTWY (P, Q, S)</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>P 123<br/>500.1<br/>0.107</p>            |  | <p><b>6</b></p> <p>METROLOGICAL SETUP<br/>METROLOGISCHE EINSTELLUNGEN<br/>PROGRAMMAZIONE METROLOGICA<br/>PROGRAMACIJA METROLOGICZNA<br/>KONFIGURACJA METROLOGICZNA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>Ent<br/>PR55<br/>1000</p>                                                                                                                                    |  |
| <p><b>3</b></p> <p>TOTAL COUNTERS<br/>GESAMTZÄHLER<br/>CONTATORI TOTALI<br/>COMPTEURS TOTAUX<br/>LICZNIKI WARTOŚCI CAŁKOWITYCH</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>8888<br/>8888</p>                                                                            |  | <p><b>7</b></p> <p>DEVICE INFO<br/>GERÄTEINFO<br/>INFO APPAREIL<br/>INFORMACJE O URZĄDZENIU</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                                                               |  |
| <p><b>4</b></p> <p>MAIN SETUP<br/>HAUPTMENSTELLUNGEN<br/>PROGRAMMAZIONE PRINCIPALE<br/>PROGRAMACIJA PRINCIPALNA<br/>GŁÓWNA KONFIGURACJA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>Ent<br/>PR55<br/>1000</p>                                                           |  | <p><b>8</b></p> <p>CT pages programmable for CH1, CH2, CH3, CH4<br/>CT-Seiten programmierbar für CH1, CH2, CH3, CH4<br/>Pagine CT programmabili per CH1, CH2, CH3, CH4<br/>Pages CT programmables pour CH1, CH2, CH3, CH4<br/>Strony programowalne przekładników prądowych dla kanałów CH1, CH2, CH3, CH4</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |  |

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| <p><b>6</b></p> <p>MAIN SETUP<br/>HAUPTMENSTELLUNGEN<br/>PROGRAMMAZIONE PRINCIPALE<br/>PROGRAMACIJA PRINCIPALNA<br/>GŁÓWNA KONFIGURACJA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>Ent<br/>PR55<br/>1000</p>                                    | <p><b>7</b></p> <p>METROLOGICAL SETUP<br/>METROLOGISCHE EINSTELLUNGEN<br/>PROGRAMMAZIONE METROLOGICA<br/>PROGRAMACIJA METROLOGICZNA<br/>KONFIGURACJA METROLOGICZNA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |
| <p>ENTER PASSWORD<br/>PASSWORT EINGEBEN<br/>INSERIRE PASSWORD<br/>ENTER LE MOT DE PASSE<br/>WPROWADZENIE HASŁA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>Rddr<br/>247</p>                                                                      | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>COMMUNICATION SPEED<br/>KOMUNIKATIONSGESCHWINDIGKEIT<br/>VELOCITÀ DI COMUNICAZIONE<br/>Szybkość komunikacji</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>bRud<br/>96</p>                                                                       | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>PARITY BIT<br/>PARITÄTSBIT<br/>BIT DI PARITÀ<br/>BIT DE PARITÉ<br/>BIT PARZYSTOŚCI</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>PrLy<br/>EuEn</p>                                                                                              | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>STOP BIT<br/>STOPBIT<br/>BIT DI STOP<br/>BIT DE ARRÊT<br/>STOP BIT</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>StOp<br/>8888</p>                                                                                                              | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>DMD INTEGRATION TIME<br/>DMD-INTEGRATIONSZEIT<br/>TEMPO DI INTEGRAZIONE DMD<br/>TEMPS D'INTEGRATION DMD<br/>CZAS CAŁKOWANIA DMD</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>diE<br/>15</p>                                                    | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>BACKLIGHT TIME<br/>HINTERGRÜNDELEUCHTUNG ZEIT<br/>TEMPS DE RETROILLUMINATION<br/>CZAS PODŚWIETLENIA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>bl<br/>30</p>                                                                                 | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>RESET MAX DMD VALUES<br/>MAX-DMD-WERTE ZURÜCKSETZEN<br/>RESET VALORI MAX DMD<br/>REINTELZERIS VALORES MAX DMD<br/>RESETOWANIE MAK. WARTOŚCI DMD</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>rSEt<br/>pnd</p>                                  | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>RESET ALL PARTIAL COUNTERS<br/>ALLE TEILZÄHLER ZURÜCKSETZEN<br/>AZZERARE TUTTI I CONT. PARZIALI<br/>REINTELZERIS COMPT. PARTIELS<br/>RESETOWANIE WSZYSTKICH LICZNIKÓW CZĘŚCOWYCH</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>rSEt<br/>PRR</p> | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>RESET MIN/MAX VALUES<br/>MIN/MAX-WERTE ZURÜCKSETZEN<br/>RESET VALORI MIN/MAX<br/>REINTELZERIS VALORES MIN/MAX<br/>RESETOWANIE WARTOŚCI MIN./MAK.</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>rSEt<br/>uRL</p>                                 | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |
| <p>SET PASSWORD<br/>PASSWORT FESTLEGEN<br/>IMPOSTARE IL PASSOWORD<br/>DÉFINIR LE MOT DE PASSE<br/>USTAWIENIE HASŁA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>PR55<br/>1000</p>                                                                 | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p>                                                                                                                                                                        |

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| <p>ACCESS TO METROLOGICAL SETUP<br/>ZGANG ZU DEN HAUPTMENSTELLUNGEN<br/>ACCESSO A PROGRAM. METROL.<br/>ACCES A PROGRAM. METROLOG.<br/>KONFIGURACJA METROLOGICZNA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>Ent<br/>Code<br/>8888</p>           | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |
| <p>RESET MAX DMD VALUES<br/>MAX-DMD-WERTE ZURÜCKSETZEN<br/>RESET VALORI MAX DMD<br/>REINTELZERIS VALORES MAX DMD<br/>RESETOWANIE MAK. WARTOŚCI DMD</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>rSEt<br/>pnd</p>                                  | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |
| <p>RESET ALL PARTIAL COUNTERS<br/>ALLE TEILZÄHLER ZURÜCKSETZEN<br/>AZZERARE TUTTI I CONT. PARZIALI<br/>REINTELZERIS COMPT. PARTIELS<br/>RESETOWANIE WSZYSTKICH LICZNIKÓW CZĘŚCOWYCH</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>rSEt<br/>PRR</p> | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |
| <p>RESET MIN/MAX VALUES<br/>MIN/MAX-WERTE ZURÜCKSETZEN<br/>RESET VALORI MIN/MAX<br/>REINTELZERIS VALORES MIN/MAX<br/>RESETOWANIE WARTOŚCI MIN./MAK.</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>rSEt<br/>uRL</p>                                 | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |
| <p>SET PASSWORD<br/>PASSWORT FESTLEGEN<br/>IMPOSTARE IL PASSOWORD<br/>DÉFINIR LE MOT DE PASSE<br/>USTAWIENIE HASŁA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>PR55<br/>1000</p>                                                                 | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |

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| <p>ACCESS TO METROLOGICAL SETUP<br/>ZGANG ZU DEN HAUPTMENSTELLUNGEN<br/>ACCESSO A PROGRAM. METROL.<br/>ACCES A PROGRAM. METROLOG.<br/>KONFIGURACJA METROLOGICZNA</p> <p><b>CH1/CH2/CH3/CH4</b></p> <p>Ent<br/>Code<br/>8888</p> | <p><b>CH1/CH2/CH3/CH4</b></p> <p>bd<br/>ir<br/>343</p> |
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| <p>The following parameters change according to the used CT block model:</p> <p>Starting current <math>I_n</math></p> <p>Minimum current <math>I_{min}</math></p> <p>Transitional current <math>I_{tr}</math></p> <p>Reference current <math>I_n</math> (A)</p> <p>Maximum current <math>I_{max}</math></p>                                                                                                                                                                                                                                                                                        | <p>160 250 630 1000</p> <p>0.24 0.4 1 1.6</p> <p>1.2 2 5 8</p> <p>4 6 10 25 40</p> <p>120 200 500 800</p> <p>160 250 630 1000</p>                                                                                                                                                                                                                                                                                                                             |
| <p>ACTIVE SECTION FOR TERMINALS AND FASTENING TORQUE</p> <p>Measuring terminal (V)</p> <p>Port terminal</p> <p>SAFETY</p> <p>In compliance with</p> <p>Pollution degree</p> <p>Protective class</p> <p>Pulse voltage withstand</p> <p>AC voltage withstand</p> <p>Insulation material flame resistance</p> <p>ENVIRONMENTAL CONDITIONS</p> <p>Mechanical environmental</p> <p>Electromagnetic environmental</p> <p>Operating temperature</p> <p>Storage temperature</p> <p>Humidity (without condensation)</p> <p>Protection grade of frontal part / terminals</p> <p>Altitude</p> <p>Location</p> | <p>EN 50470-3<br/>IEC 62053-21</p> <p>RS485<br/>1/2<br/>MODBUS RTU</p> <p>2.4/4.8/9.6/19.2/38.4 kbps</p> <p>3200 imp/kWh</p> <p>0.5...2.5 mm<sup>2</sup> / 0.2 Nm<br/>max 0.5 mm<sup>2</sup> / 0.2 Nm</p> <p>IEC 62052-11, IEC 62052-31</p> <p>2</p> <p>II</p> <p>6 kV-1.2 µs<br/>4 kV for 1 min</p> <p>UL 94 class V0</p> <p>M1</p> <p>E2</p> <p>-40°C ... +70°C<br/>-40°C ... +75°C</p> <p>max 95%</p> <p>IP51 / IP20</p> <p>up to 2000 m</p> <p>Indoor</p> |

EU declaration of conformity

