



Main

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| Range | EasyLogic |
| Product name | EasyLogic DM6X00H RS |
| Device short name | DM6200H |
| Product or component type | VAF PF meter |

Complementary


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| Device application | Remote monitoring |
| Type of measurement | RPM Voltage Current Frequency |
| Metering type | Frequency Phase currents Rotation speed Voltage U21, U32, U13, V1, V2, V3 Average voltage Vavg Average current Iavg Unbalance current Unbalance voltage Calculated neutral current |
| Counter functions | ON hour counting Power interruption |
| [Us] rated supply voltage | 48...277 V AC 45...65 Hz 48...277 V DC |
| Network frequency | 50 Hz 60 Hz |
| [In] rated current | 1 A 5 A |
| Type of network | 1P + N 2P 2P + N 3P 3P + N |

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| Power consumption in VA | <= 4 VA at 240 V AC between phase and neutral |
| Power consumption in W | <= 2 W at 240 V DC |
| Display type | 8 segments LED |
| Display colour | Red |
| Messages display capacity | 3 fields of 4 characters |
| Display digits | 12 digit(s) - 14.2 mm in height |
| Communication of data | Instantaneous and demand values Reading of measurements All counters Revolution speed |
| Tamperproof of settings | Protected by access code |
| Sampling rate | 32 samples/cycle |
| Measurement current | 5...6000 mA |
| Signal | Current 0.005...10 A (impedance 0.3 MOhm) 6 terminal(s) |
| Measurement voltage | 46...277 V AC 50...60 Hz between phase and neutral 80...480 V AC 50...60 Hz between phases 277...999000 V AC 50...60 Hz with external VT |
| Frequency measurement range | 45...65 Hz |
| Number of inputs | 2 |
| Measurement accuracy | +/- 0.05 % frequency +/- 0.01 power factor +/- 1 % current +/- 1 % voltage |
| Accuracy class | Class 1 |
| Demand intervals | 1 s |
| Local signalling | Green LED : activity Red LED : output signal |
| Communication port protocol | Modbus 2-wire, : 4800 bps, 9600 bps, 19200 bps, 38.4 Kbps, even/odd or none, insulation: 2500 V |
| Communication port support | RS485 screw terminal block |
| Material | Polycarbonate |
| Flame retardance | V-0 UL 94 conforming to UL 94 V-0 |
| Mounting mode | Flush-mounted |
| Mounting support | Framework |
| Installation category | III |
| Type of installation | Indoor installation |
| Measurement category | Category III up to 480 V |
| Electrical insulation class | Class II |
| Connections - terminals | Current circuit : bottom screw clamp terminals 2.08...3.31 mm ² Voltage circuit : top screw clamp terminals 0.82...3.31 mm ² Control circuit : top screw clamp terminals 0.82...3.31 mm ² Communication : bottom screw clamp terminals 0.33...3.31 mm ² |
| Tightening torque | Current circuit : 0.9...1 N.m with Philips No 2 Voltage circuit : 0.9...1 N.m with Philips No 2 Control circuit : 0.9...1 N.m with Philips No 2 Communication : 0.5...0.6 N.m with Philips no 1 |
| Wire stripping length | Communication : 7 mm Current circuit : 3.68 mm Voltage circuit : 7 mm Control circuit : 7 mm |
| Standards | IEC 61010-1 ed. 3 UL 61010-1 ed. 3 |
| Product certifications | CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 CULus conforming to CSA C22.2 No 61010-1 C-Tick |
| Width | 96 mm |
| Depth | 13 mm outside 49 mm panel |
| Height | 96 mm |
| Product weight | 300 g |

Environment

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|---------------------------------------|--|
| Electromagnetic compatibility | <ul style="list-style-type: none"> • electrical fast transient/burst immunity test, conforming to IEC 61000-4-4 • conducted RF disturbances, conforming to IEC 61000-4-6 • radiated radio-frequency electromagnetic field immunity test, conforming to IEC 61000-4-3 • voltage dips and interruptions immunity test, conforming to IEC 61000-4-11 • electrostatic discharge, conforming to IEC 61000-4-2 • surge immunity test, conforming to IEC 61000-4-5 • magnetic field at power frequency, conforming to IEC 61000-4-8 • emission tests, conforming to FCC part 15 class A • emission tests, conforming to FCC part 15 subpart C • emission tests, conforming to FCC part 15 subpart E |
| Overvoltage category | III |
| IP degree of protection | IP30 (body) conforming to IEC 60529 IP51 (front) conforming to IEC 60529 |
| Relative humidity | 5...95 % 50 °C |
| Pollution degree | 2 |
| Ambient air temperature for operation | -10...60 °C |
| Ambient air temperature for storage | -20...70 °C |
| Operating altitude | <= 2000 m |
| Service life | 7 yr |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1730 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |