# Product datasheet

Specifications



## EASYLOGIC DM6200H VAF PF DPM RS48 CL1.0

METSEDM6200HCL10RS

## Main

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

## Complementary

| | |
|---|---|
| **Device application** | Remote monitoring |
| **Type of measurement** | Current<br>Voltage<br>Frequency<br>RPM |
| **Metering type** | Unbalance current<br>Rotation speed<br>Average current Iavg<br>Average voltage Vavg<br>Unbalance voltage<br>Phase currents<br>Frequency<br>Calculated neutral current<br>Voltage U21, U32, U13, V1, V2, V3 |
| **Counter functions** | ON hour counting<br>Power interruption |
| **[Us] rated supply voltage** | 48...277 V AC 45...65 Hz<br>48...277 V DC |
| **Network frequency** | 60 Hz<br>50 Hz |
| **[In] rated current** | 1 A<br>5 A |
| **type of network** | 3P + N<br>3P<br>1P + N<br>2P + N<br>2P |
| **Maximum power consumption in VA** | 4 VA at 240 V between phase and neutral |
| **Maximum power consumption in W** | 2 W at 240 V |
| **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 |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **Communication of data** | Instantaneous and demand values<br>Revolution speed<br>All counters<br>Reading of measurements |
| **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 x |
| **Measurement voltage** | 46…277 V AC 50...60 Hz between phase and neutral<br>80…480 V AC 50...60 Hz between phases<br>277…999000 V AC 50...60 Hz with external VT |
| **Frequency measurement range** | 45…65 Hz |
| **Number of inputs** | 2 |
| **Measurement accuracy** | Frequency +/- 0.05 %<br>Power factor +/- 0.01<br>Current +/- 1 %<br>Voltage +/- 1 % |
| **Accuracy class** | Class 1 |
| **Demand intervals** | 1 s |
| **Local signalling** | Green LED: activity<br>Red LED: output signal 1...9999000 pulse/ k_h (kWh, kVAh, kVARh) |
| **Communication port protocol** | Modbus at 4800 bps, 9600 bps, 19200 bps, 38.4 Kbps even/odd or none - 2-wire, insulation 2500 V |
| **Communication port support** | Screw terminal block: RS485 |
| **Material** | Polycarbonate |
| **Flame retardance** | V-0 conforming to UL 94 |
| **mounting mode** | Flush-mounted |
| **Mounting support** | Framework |
| **Installation category** | III |
| **Type of installation** | Indoor installation |
| **Measurement category** | Category III 480 V |
| **Electrical insulation class** | Class II |
| **Connections - terminals** | Current circuit: screw clamp terminals (bottom) 2.08…3.31 mm² cable(s)<br>Voltage circuit: screw clamp terminals (top) 0.82…3.31 mm² cable(s)<br>Control circuit: screw clamp terminals (top) 0.82…3.31 mm² cable(s)<br>Communication: screw clamp terminals (bottom) 0.33…3.31 mm² cable(s) |
| **Tightening torque** | Current circuit: 0.9…1 N.m Philips No 2 screwdriver<br>Voltage circuit: 0.9…1 N.m Philips No 2 screwdriver<br>Control circuit: 0.9…1 N.m Philips No 2 screwdriver<br>Communication: 0.5…0.6 N.m Philips no 1 screwdriver |
| **Wire stripping length** | Current circuit: 3.68 mm<br>Voltage circuit: 7 mm<br>Control circuit: 7 mm<br>Communication: 7 mm |
| **Standards** | IEC 61010-1:ed. 3<br>UL 61010-1:ed. 3 |
| **Product certifications** | CE conforming to IEC 61010-1<br>CULus conforming to UL 61010-1<br>CULus conforming to CSA C22.2 No 61010-1<br>C-Tick |
| **Width** | 96 mm |

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|---|---|
| **Depth** | Outside : 13 mm<br>Panel : 49 mm |
| **Height** | 96 mm |
| **Product weight** | 300 g |

## Environment

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|---|---|
| **Electromagnetic compatibility** | Electrostatic discharge conforming to IEC 61000-4-2<br>Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3<br>Electrical fast transient/burst immunity test conforming to IEC 61000-4-4<br>Surge immunity test conforming to IEC 61000-4-5<br>Conducted RF disturbances conforming to IEC 61000-4-6<br>Magnetic field at power frequency conforming to IEC 61000-4-8<br>Voltage dips and interruptions immunity test conforming to IEC 61000-4-11<br>Emission tests conforming to FCC part 15 class A<br>Emission tests conforming to FCC part 15 Subpart C<br>Emission tests conforming to FCC part 15 Subpart E |
| **Overvoltage category** | III |
| **IP degree of protection** | IP51 front: conforming to IEC 60529<br>IP30 body: conforming to IEC 60529 |
| **Relative humidity** | 5…95 % at 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 year(s) |

## Packing Units

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|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 10.600 cm |
| **Package 1 Width** | 8.700 cm |
| **Package 1 Length** | 10.200 cm |
| **Package 1 Weight** | 347.000 g |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 18 |
| **Package 2 Height** | 30.000 cm |
| **Package 2 Width** | 30.000 cm |
| **Package 2 Length** | 40.000 cm |
| **Package 2 Weight** | 6.871 kg |

## Contractual warranty

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|---|---|
| **Warranty (in months)** | 18 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

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|---|---|
| Total lifecycle Carbon footprint | **136 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **50 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **3 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0.1 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **82 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **1 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **No** |
| SCIP Number | **2e6b556c-15aa-4f88-b35e-16e68ae215e5** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |

## Use Longer

### Lifetime extension

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|---|---|
| Repair | **No** |

## Use Again

### Repack and remanufacture

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|---|---|
| Recyclability potential, in % | **10** |
| End of life manual availability | **End of Life Information** |
| Take-back | **No** |
| WEEE Label | **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins** |