Product datasheet

Specifications



EASYLOGIC DM6200H VAF PF DPM NONC CL1.0

METSEDM6000HCL10NC

Main

Range	EasyLogic
Product name	EasyLogic DM6X00H NC
Device short name	DM6000H
Product or component type	VAF PF meter

Complementary

Device application	Remote monitoring
Type of measurement	Current Voltage Frequency RPM
Metering type	Unbalance current Calculated neutral current Unbalance voltage Rotation speed Phase currents Voltage U21, U32, U13, V1, V2, V3 Frequency Average voltage Vavg Average current Iavg
Counter functions	Power interruption ON hour counting
[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	2P + N 2P 3P + N 3P 1P + N
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	Reading of measurements Instantaneous and demand values Revolution speed All counters
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	35…480 V AC 50...60 Hz between phases 46…277 V AC 50...60 Hz between phase and neutral 277…999000 V AC 50...60 Hz with external VT
Frequency measurement range	45…65 Hz
Measurement accuracy	Frequency +/- 0.05 % Power factor +/- 0.01 Current +/- 1 % Voltage +/- 1 %
Accuracy class	Class 1
Demand intervals	1 s
Local signalling	Green LED: activity Red LED: output signal 1...9999000 pulse/ k_h (kWh, kVAh, kVARh)
Communication port protocol	-
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) Voltage circuit: screw clamp terminals (top) 0.82…3.31 mm² cable(s) Control circuit: screw clamp terminals (top) 0.82…3.31 mm² cable(s)
Tightening torque	Current circuit: 0.9…1 N.m Philips No 2 screwdriver Voltage circuit: 0.9…1 N.m Philips No 2 screwdriver Control circuit: 0.9…1 N.m Philips No 2 screwdriver
Wire stripping length	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	Outside : 13 mm Panel : 49 mm
Height	96 mm
Product weight	300 g

Environment

Electromagnetic compatibility	Electrostatic discharge conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test conforming to IEC 61000-4-4 Surge immunity test conforming to IEC 61000-4-5 Conducted RF disturbances conforming to IEC 61000-4-6 Magnetic field at power frequency conforming to IEC 61000-4-8 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 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	IP51 front: conforming to IEC 60529 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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.700 cm
Package 1 Width	12.000 cm
Package 1 Length	12.000 cm
Package 1 Weight	340.000 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	6.739 kg
Unit Type of Package 3	P06
Number of Units in Package 3	144
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	60.960 kg

Contractual warranty

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

Total lifecycle Carbon footprint	**132 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**46 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**3 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 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

Repair	**No**

Use Again

Repack and remanufacture

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**