Product data sheet
Characteristics

METSEDM6000HCL10NC
EASYLOGIC DM6200H VAF PF DPM NONC CL1.0

Green Premium™

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

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	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
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	13 mm outside: 49 mm panel:
Height	96 mm
Net weight	300 g

Environment

Electromagnetic compatibility	Electrostatic discharge conforming to IEC 61000-4-2

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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

Package 1 Weight	250.000 g
Package 1 Height	120.000 mm
Package 1 width	87.000 mm
Package 1 Length	120.000 mm

Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information