MODULARE MULTIMETER M LCD, N. ERW. HILFSVERSORG. 100...240VAC/110...250VDC DIV. SPRACHEN RS485 INT. **ENERGY AND AUTOMATION**



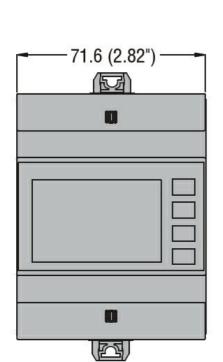
Product designation Product type designation Type			Modular LCD multimeters. non expandable DMG110 Three-phase + neutral
DIN rail module number Auxiliary supply Us			4
Auxiliary supply os Auxiliary rated supply voltage AC		VAC	100240
Auxiliary rated supply voltage AC Auxiliary rated supply voltage DC		VDC	110250
Auxiliary operating voltage range		VDC	110250
AC			
710	min	VAC	90
	Max	VAC	264
DC	Wich	*****	
	min	VDC	93.5
	Max	VDC	300
Operational frequency			
	min	Hz	45
	max	Hz	66
Power consumption			
	Max	VA	2.2
Power dissipation Max		W	0.8
Measuring voltage inputs			
Rated voltage (Ue)			
	phase-phase	VAC	690
	phase-neutral	VAC	346
Operating voltage range	•		
	phase-phase	VAC	90720
	phase-neutral	VAC	50415
Voltage inputs operational frequency			
	min	Hz	45
	max	Hz	66
Voltage inputs measurement method			True RMS
			Single. two.
			three-phase with
Connection method			or without neutral.
			balanced three-
Current inpute			phase systems
Current inputs Rated current (le)		Α	5
Measurement range			0.0256A
Measurement method			TRMS
wicasurement method			+20% le through
Overload capacity			external CT with
2.5aa oapaon,			5A secondary

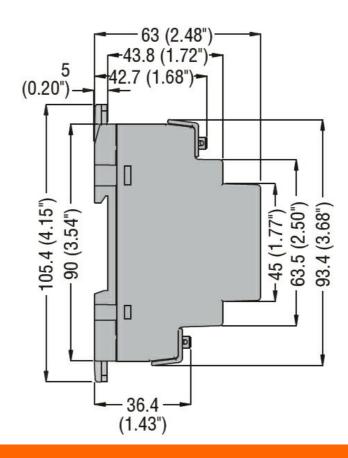
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Accuracy VLN voltag VLL voltag Currer Frequence Active power Active energy Reactive energy Re			±0.5% ±0.5% ±0.05% ±1% Class 1 (IEC/EN 62053-21)
VLL voltag Currer Frequench Active power Active power Active energ Reactive energ			±0.5% ±0.5% ±0.05% ±1% Class 1 (IEC/EN
Currer Frequence Active power Active energy Reactive energy Re			±0.5% ±0.05% ±1% Class 1 (IEC/EN
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Reactive energy Reactive energ			Class 1 (IEC/EN
Reactive energy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Functions Harmonic analysis PLC logic Type of communication port Ethernet-RS485 gateway function Mechanical features Housing type Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma	,		
Reactive energy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Functions Harmonic analysis PLC logic Type of communication port Ethernet-RS485 gateway function Mechanical features Housing type Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma	,		62053-21\
RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Functions Harmonic analysis PLC logic Type of communication port Ethernet-RS485 gateway function Mechanical features Housing type Terminals type Conductor cross section mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma			02000-21)
Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Functions Harmonic analysis PLC logic Type of communication port Ethernet-RS485 gateway function Mechanical features Housing type Terminals type Conductor cross section mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma	b		Class 2 (IEC/EN 62053-23)
Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Functions Harmonic analysis PLC logic Type of communication port Ethernet-RS485 gateway function Mechanical features Housing type Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma	b		
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Type of communication port Ethernet-RS485 gateway function Mechanical features Housing type Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma			No
Ethernet-RS485 gateway function Mechanical features Housing type Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma			RS485
Mechanical features Housing type Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma			No
Housing type Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma			
Terminals type Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma			Polyamide
Conductor cross section mi Ma mi Ma Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi ma			Fixed
Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi			
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Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi		ım²	4
Tightening torque (Max) Fixing Weight Ambient conditions Temperature Operating temperature mi		NG	24
Fixing Weight Ambient conditions Temperature Operating temperature mi		NG	12
Fixing Weight Ambient conditions Temperature Operating temperature mi		,,,	12
Weight Ambient conditions Temperature Operating temperature mi		١m	0.8
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Operating temperature mi			
mi ma			
ma			
	_	C	-20
Storage temperature		,C	+60
- · · · · · · · · · · · · · · · · · · ·		_	
mi	. 0	,C	-30
ma	0	C.	+80
Relative humidity	0		<90
Maximum Pollution degree	0	%	2
Protection degree	0		
Dimensions	0		IP30

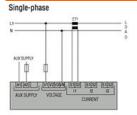


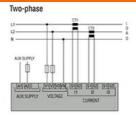
ENERGY AND AUTOMATION

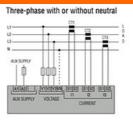




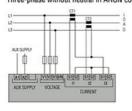
Wiring diagrams

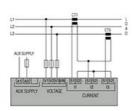


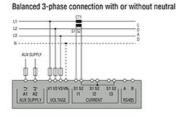




Three-phase without neutral in ARON connection







CODE	AUX SUPPLY
DMG100-110-200-210-300	100240VAC 110250VDC
DMG6	100440VAC 110250VDC
DMG7000-7500-8000-9000	100240VAC 110250VDC

RS485 for DMG210	DMG110 an
TR A 8 SG RS485	

A B	1	

RS485 for DMG7500 and DMG9000

A B SG
RS485

Certifications and compliance

Compliance

CSA 22.2 n°61010-1

IEC/EN 61000-6-2

IEC/EN 61000-6-3

IEC/EN 61010-1

IEC/EN 61010-2-030



DMG110

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ENERGY AND AUTOMATION SPRACHEN RS485 INT.

UL61010-1

Certificates

cULus EAC

GOST

RCM

ETIM classification

ETIM 8.0

EC002301 -Multifunction measuring instrument