



COMBINED VOLTMETER, AMMETER AND WATTMETER, THREE-PHASE, 3 PHASE VOLTAGE VALUES, 3 PHASE TO PHASE VOLTAGE VALUES, 3 PHASE CURRENT VALUES, 4 ACTIVE POWER VALUES, PHASE AND TOTAL, 3 MAXIMUM PHASE VOLTAGE VALUES, 3 MAXIMUM PHASE TO PHASE VOLTAGE VALUES, 3 MAXIMUM PHASE CURRENT VALUES, 4 MAX ACTIVE POWER PHASE AND TOTAL, 3 MINIMUM PHASE VOLTAGE VALUES, 3 MINIMUM PHASE TO



Metering instruments - Voltmeter, ammeter and wattmeter DMK75R1 3

Product designation

Product type designation

DIN rail module number

Auxiliary supply Us

Auxiliary rated supply voltage AC VAC 220...240

Operational frequency
 min Hz 50
 max Hz 60

Power consumption
 Max VA 3.6

Power dissipation Max W 1.8

Measuring voltage inputs

Rated voltage (Ue)
 phase-phase VAC 600
 phase-neutral VAC 347

Operating voltage range
 phase-phase VAC 35...660
 phase-neutral VAC 20...382

Voltage inputs operational frequency
 min Hz 45
 max Hz 66

Voltage inputs measurement method True RMS

Current inputs

Rated current (Ie) A 5

Measurement range 0.05...5.75

Current inputs operational frequency
 min Hz 45
 max Hz 66

Type Shunts connected by external low voltage CT 5A max

Measurement method TRMS

Overload capacity +20% Ie

Accuracy

VLN voltage ±0.25% f.s. ±1 digit
 VLL voltage ±0.25% f.s. ±1 digit
 Current ±0.5% f.s. ±1 digit



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Frequency	±1 digit
Active power	±1% f.s. ±1 digit

Insulations

Rated insulation voltage Ui IEC/EN	V	600
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Mechanical features

Housing type	Polyamide
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Terminals type	Fixed
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Conductor cross section	min	mm ²	0.2
	Max	mm ²	4
	min	AWG	24
	Max	AWG	12

Tightening torque (Max)	Nm	0.5
	lbin	4.5

Fixing	Din rail
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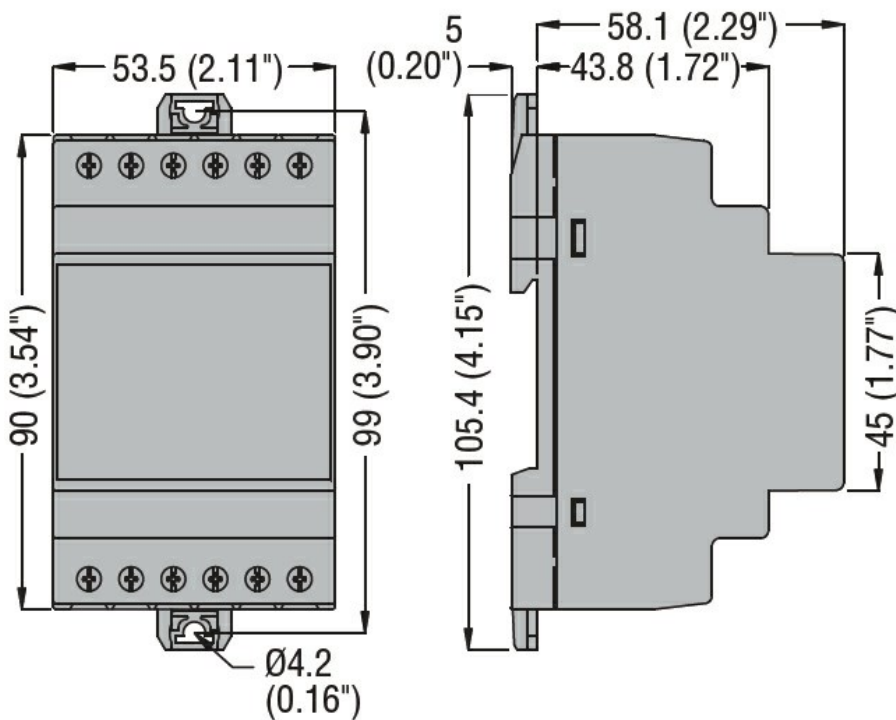
Weight	g	280
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Ambient conditions

Temperature	Operating temperature	min	°C	-20
		max	°C	+60
	Storage temperature	min	°C	-30
		max	°C	+80

Protection degree	IP40
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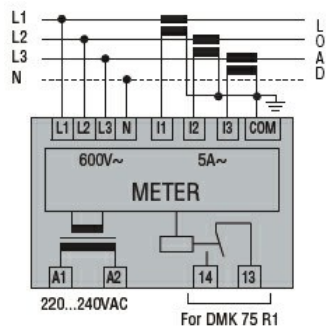
Dimensions



Wiring diagrams



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Certifications and compliance

Compliance

IEC/EN 61000-6-2

IEC/EN 61000-6-3

IEC/EN 61010-1

Certificates

EAC

ETIM classification

ETIM 8.0

EC002306 -
Voltmeter for
installation