



Metering instruments -
Voltmeter.
ammeter and
wattmeter
DMK75R1
3

Product designation

Product type designation

DIN rail module number

Auxiliary supply U_s

Auxiliary rated supply voltage AC	VAC	220...240
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Operational frequency

min	Hz	50
max	Hz	60

Power consumption

Max	VA	3.6
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Power dissipation Max

W	1.8
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Measuring voltage inputs

Rated voltage (U_e)

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 (I_e)

A	5
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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

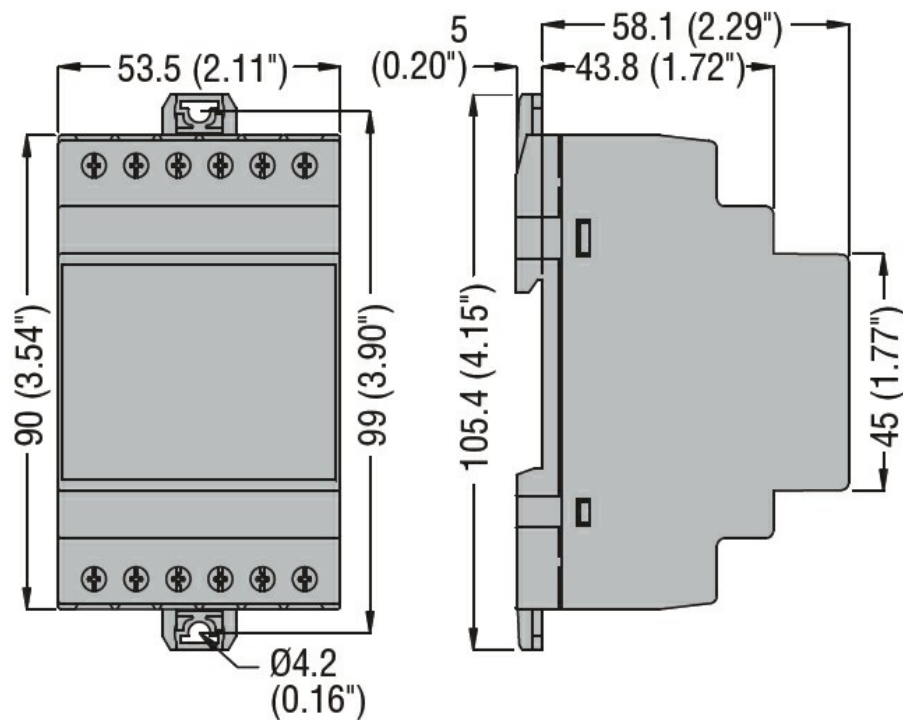
+20% I_e

Accuracy

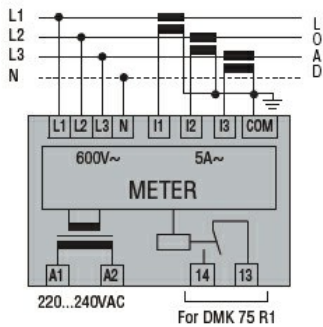
VLN voltage	$\pm 0.25\%$ f.s. ± 1 digit
VLL voltage	$\pm 0.25\%$ f.s. ± 1 digit
Current	$\pm 0.5\%$ f.s. ± 1 digit

	Frequency	±1 digit
	Active power	±1% f.s. ±1 digit
Insulations		
Rated insulation voltage Ui IEC/EN	V	600
Mechanical features		
Housing type		Polyamide
Terminals type		Fixed
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
Weight	g	280
Ambient conditions		
Temperature		
Operating temperature		
	min °C	-20
	max °C	+60
Storage temperature		
	min °C	-30
	max °C	+80
Protection degree		IP40

Dimensions



Wiring diagrams



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