

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 $U_s$

Auxiliary rated supply voltage AC VAC 220...240

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. $\pm 1$ digit
VLL voltage	$\pm 0.25\%$ f.s. $\pm 1$ digit
Current	$\pm 0.5\%$ f.s. $\pm 1$ 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 <sup>2</sup>	0.2
	Max	mm <sup>2</sup>	4
	min	AWG	24
	Max	AWG	12

Tightening torque (Max)	Nm	0.5
	lbin	4.5

Fixing	Din rail
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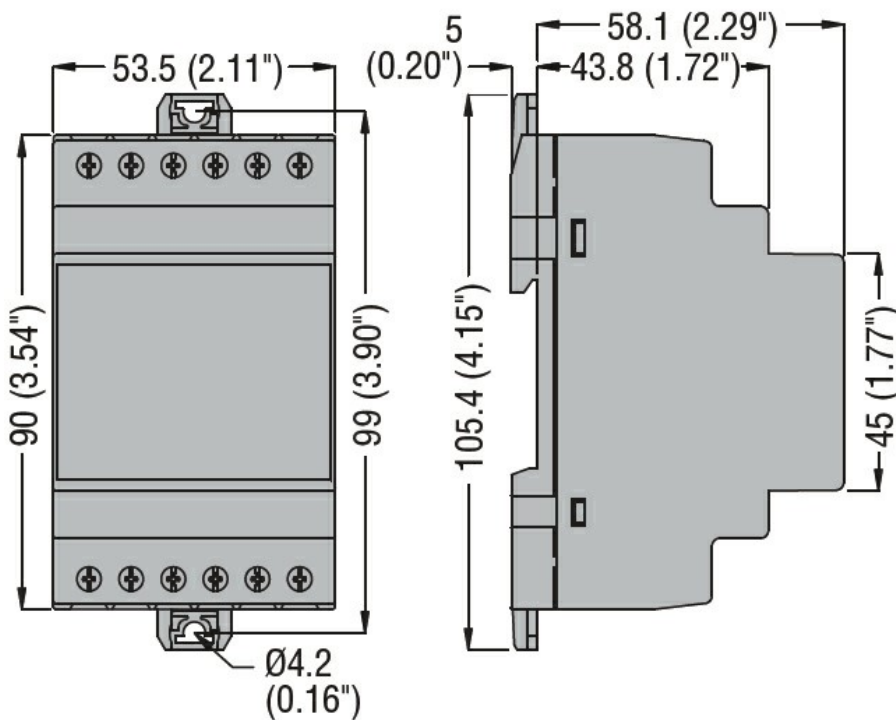
Weight	g	280
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**Ambient conditions**

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

Protection degree	IP40
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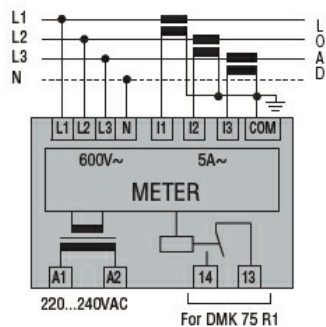
**Dimensions**



**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