



Metering instruments -
Voltmeter
DMK80R1
3

Product designation

Product type designation

DIN rail module number

Auxiliary supply Us

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 (Ue)

phase-phase	VAC	600
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Operating voltage range

phase-neutral	VAC	15...660
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Voltage inputs operational frequency

min	Hz	45
max	Hz	66

Voltage inputs measurement method

True RMS

Accuracy

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

Insulations

Rated insulation voltage Ui IEC/EN

V	600
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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	268
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Ambient conditions

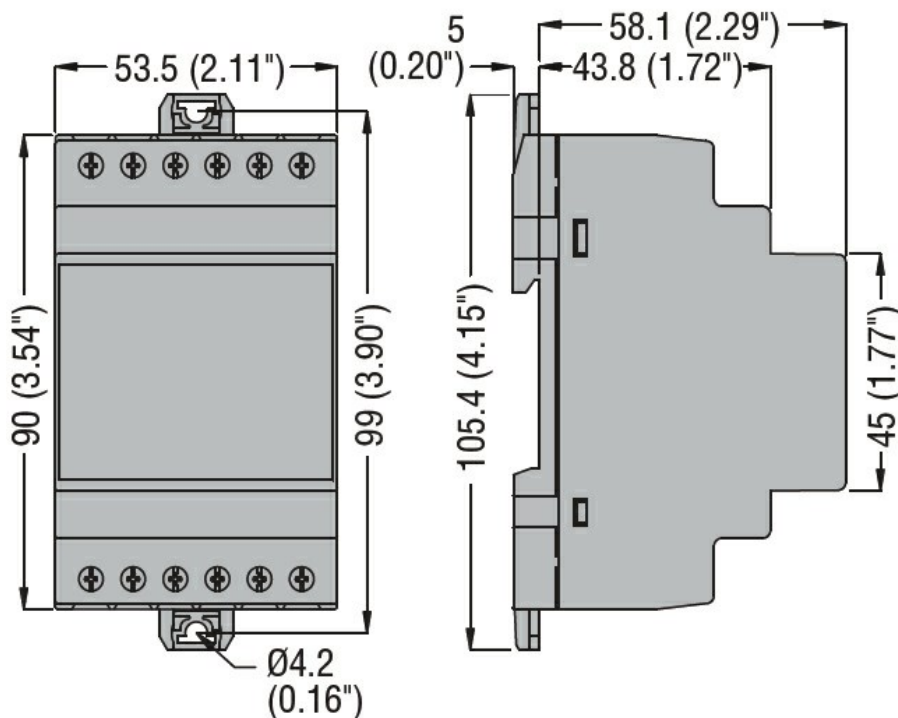
Temperature

Operating temperature

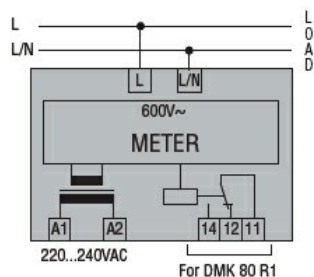
min	°C	-20
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Storage temperature	max	°C	+60
	min	°C	-30
	max	°C	+80
Relative humidity		%	±1 digit 60%...90% R.H.
Protection degree			IP40

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