



Metering instruments -
Ammeter
DMK81R1
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
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Power dissipation Max

	W	1.8
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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

Current	±0.5% f.s. ±1 digit
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Insulations

Rated insulation voltage Ui IEC/EN V 415

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
max	°C	+60

Storage temperature

min	°C	-30
max	°C	+80

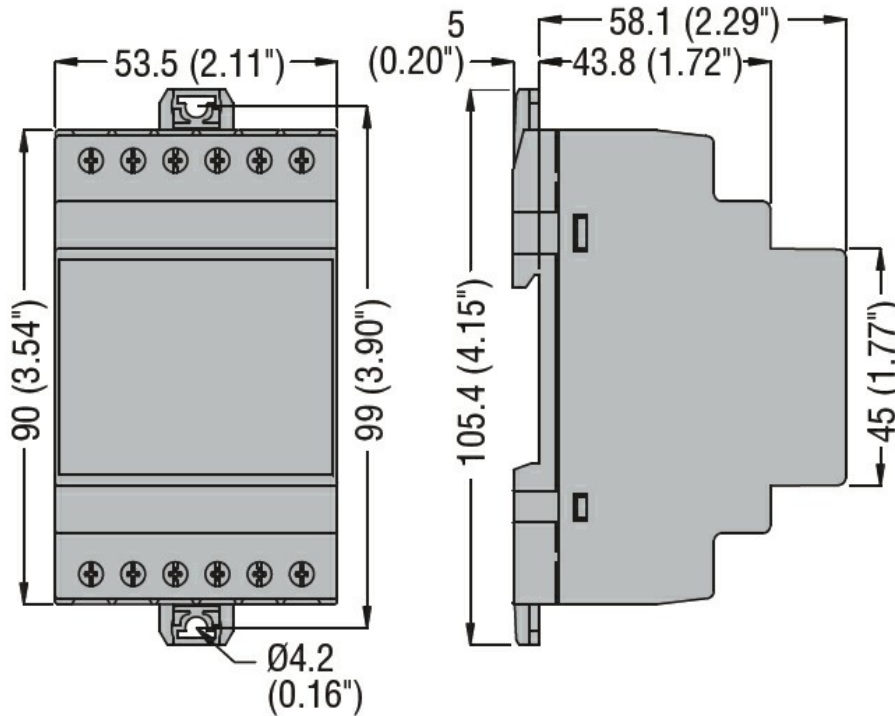
Relative humidity

%	±1 digit 60%...90% R.H.
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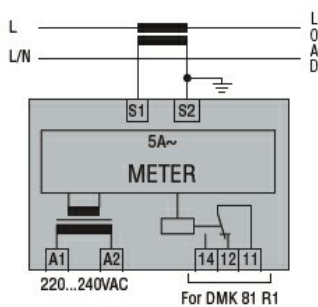
Protection degree

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

EC002292 -
Ampere meter
for installation