



Metering instruments -
Ammeter
DMK81R1
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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Current inputs

Rated current (I_e)	A	5
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Measurement range	0.05...5.75
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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

Current	$\pm 0.5\%$ f.s. ± 1 digit
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Insulations

Rated insulation voltage U_i IEC/EN	V	415
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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	268
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Ambient conditions

Temperature

Operating temperature

min	°C	-20
max	°C	+60

Storage temperature

min	°C	-30
max	°C	+80

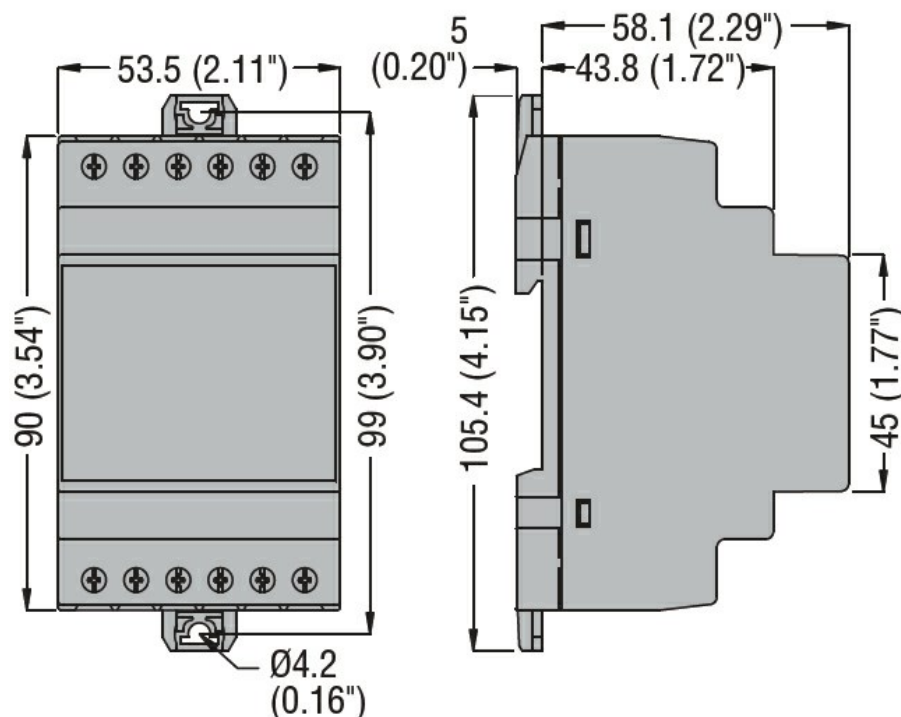
Relative humidity

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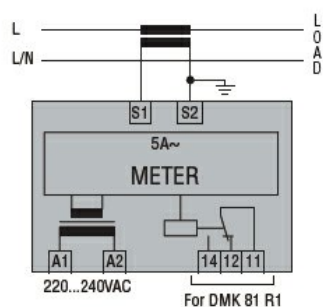
Protection degree

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