



Metering instruments -  
Voltmeter  
DMK80R1  
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

Power dissipation Max

W 1.8

### Measuring voltage inputs

Rated voltage ( $U_e$ )

phase-phase VAC 600

Operating voltage range

phase-neutral VAC 15...660

Voltage inputs operational frequency

min Hz 45  
max Hz 66

Voltage inputs measurement method

True RMS

### Accuracy

VLN voltage  $\pm 0.25\%$  f.s.  $\pm 1$  digit

VLL voltage  $\pm 0.25\%$  f.s.  $\pm 1$  digit

### Insulations

Rated insulation voltage  $U_i$  IEC/EN

V 600

### Mechanical features

Housing type

Polyamide

Terminals type

Fixed

Conductor cross section

min  $\text{mm}^2$  0.2  
Max  $\text{mm}^2$  4  
min AWG 24  
Max AWG 12

Tightening torque (Max)

Nm 0.5  
lbin 4.5

Fixing

Din rail

Weight

g 268

### Ambient conditions

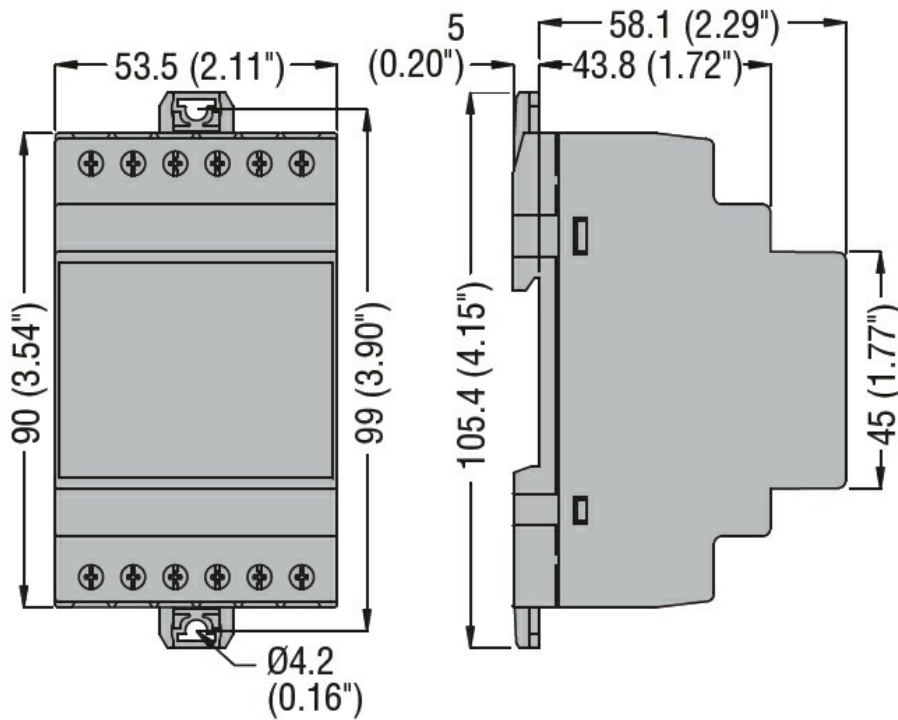
Temperature

Operating temperature

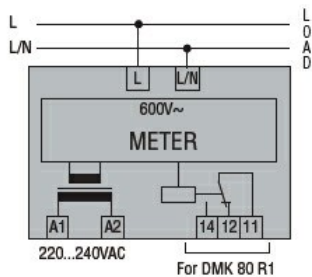
min  $^{\circ}\text{C}$  -20

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