



Metering instruments -  
Voltmeter  
DMK70R1  
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

Power dissipation Max

W 1.8

**Measuring voltage inputs**

Rated voltage (Ue)

phase-phase VAC 600  
phase-neutral VAC 347

Operating voltage range

phase-phase VAC 15...660  
phase-neutral VAC 10...382

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 Ui IEC/EN

V 600

**Mechanical features**

Housing type

Polyamide

Terminals type

Fixed

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

Weight

g 264

**Ambient conditions**

Temperature

VOLTMETER, THREE-PHASE, 3 PHASE VOLTAGE VALUES, 3 PHASE TO PHASE VOLTAGE VALUES, 3 MAX PHASE VOLTAGEVALUES, 3 MAX PHASE TO PHASE VOLTAGE VALUES, 3 MIN PHASE VOLTAGE VALUES, 3 MIN PHASE TO PHASE VOLTAGE VALUES. RELAY OUTPUT WITH CONTROL AND PROTECTION FUNCTIONS

Operating temperature

min	°C	-20
max	°C	+60

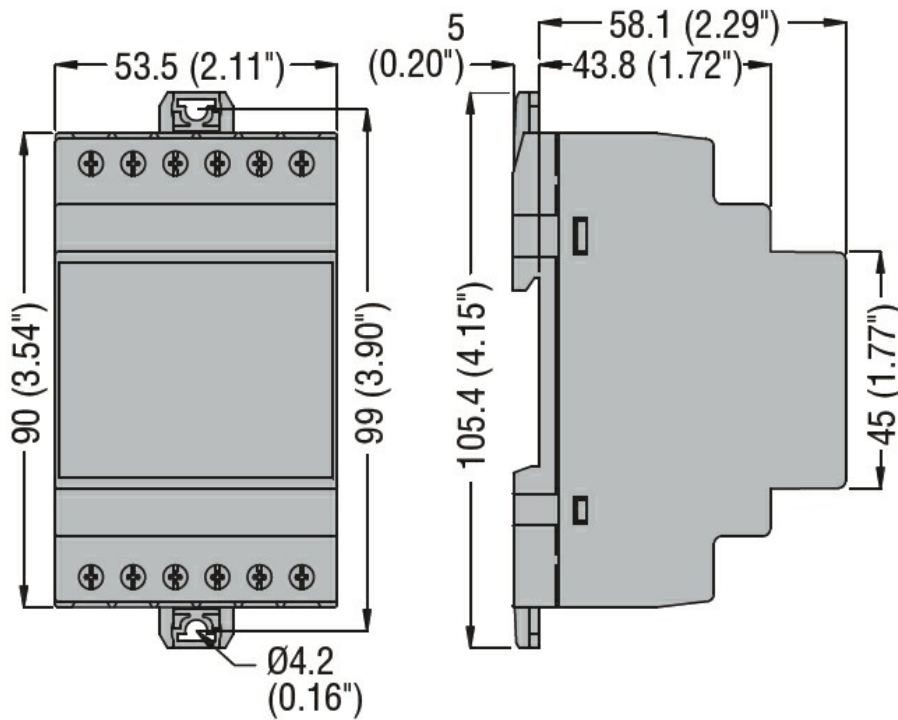
Storage temperature

min	°C	-30
max	°C	+80

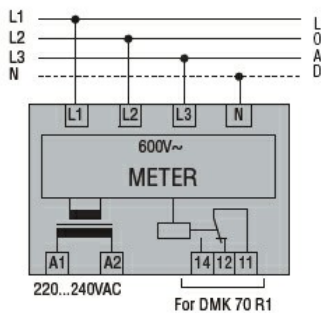
Protection degree

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