



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. ± 1 digit

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

Insulations

Rated insulation voltage Ui IEC/EN

V 600

Mechanical features

Housing type

Polyamide

Terminals type

Fixed

Conductor cross section

min mm² 0.2
Max mm² 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

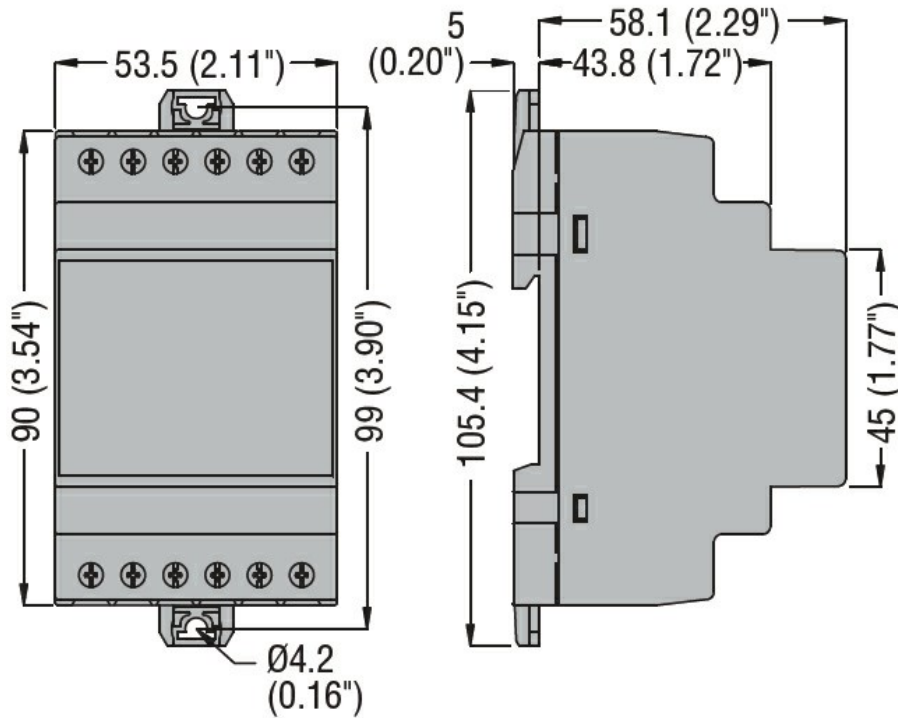
Storage temperature

min	°C	-30
max	°C	+80

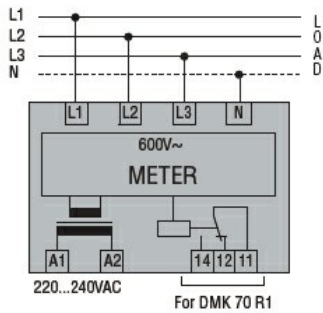
Protection degree

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