



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

Power dissipation Max

W 1.8

**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

**Insulations**

Rated insulation voltage Ui IEC/EN V 415

**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 268

**Ambient conditions**

Temperature

Operating temperature

|     |    |     |
|-----|----|-----|
| min | °C | -20 |
| max | °C | +60 |

Storage temperature

|     |    |     |
|-----|----|-----|
| min | °C | -30 |
| max | °C | +80 |

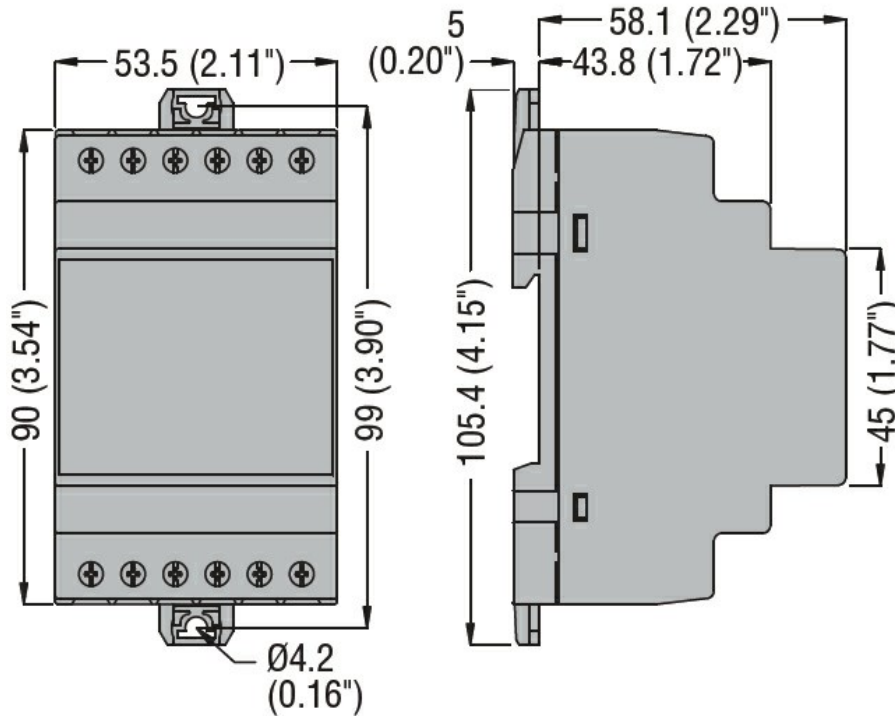
Relative humidity

|   |                            |
|---|----------------------------|
| % | ±1 digit<br>60%...90% R.H. |
|---|----------------------------|

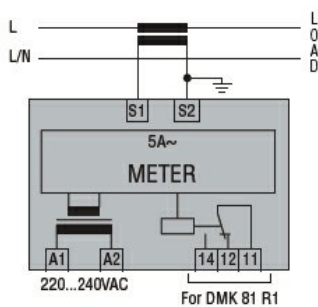
Protection degree

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

EC002292 -  
Ampere meter  
for installation