# DMK70R1



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

| Product designation<br>Product type designation<br>DIN rail module number<br>Auxiliary supply Us |               | 9          | Metering<br>instruments -<br>Voltimeter<br>DMK70R1<br>3 |
|--|---------------|------------|---|
| Auxiliary rated supply voltage AC  |               | VAC        | 220240  |
| Operational frequency  |               |            |   |
|  | min           | Hz         | 50  |
|  | max           | Hz         | 60  |
| Power consumption  |               |            |   |
|  | Max           | VA         | 3.6   |
| Power dissipation Max  | max           | W          | 1.8   |
| Measuring voltage inputs   |               |            |   |
| Rated voltage (Ue)   |               |            |   |
|  | phase-phase   | VAC        | 600   |
|  | phase-neutral | VAC        | 347   |
| Operating voltage range  |               | -          |   |
|  | phase-phase   | VAC        | 15660   |
|  | phase-neutral | VAC        | 10382   |
| Voltage inputs operational frequency   |               | -          |   |
|  | min           | Hz         | 45  |
|  | max           | Hz         | 66  |
| Voltage inputs measurement method  |               |            | True RMS  |
| Accuracy   |               |            |   |
|  | VLN voltage   |            | ±0.25% f.s. ±1<br>digit                                 |
|  | VLL voltage   |            | ±0.25% f.s. ±1<br>digit                                 |
| Insulations  |               |            | 600   |
| Rated insulation voltage Ui IEC/EN   |               | V          | 600   |
| Mechanical features  |               |            | Del contra  |
| Housing type   |               |            | Polyamide   |
| Terminals type   |               |            | Fixed   |
| Conductor cross section  |               |            | 0.0   |
|  | min           | mm²        | 0.2   |
|  | Max           | mm²        | 4   |
|  | min<br>Max    | AWG<br>AWG | 24<br>12  |
| Tightoning torque (Max)  | Max           | AWG        | 12  |
| Tightening torque (Max)  |               | Nime       | 0.5   |
|  |               | Nm         | 0.5   |
| Fiving   |               | lbin       | 4.5<br>Din rail   |
| Fixing<br>Weight   |               | ~          |   |
| Weight<br>Ambient conditions   |               | g          | 264   |
|  |               |            |   |
| Temperature  |               |            |   |

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The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding

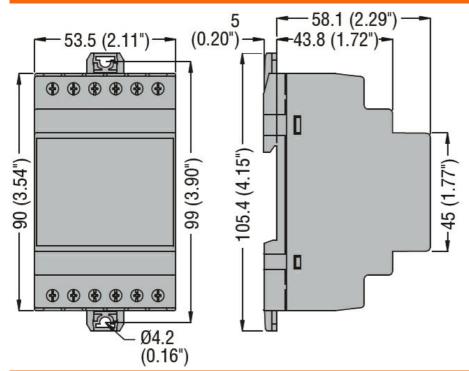
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|                   | Operating temperature |     |    |      |  |
|-------------------|-----------------------|-----|----|------|--|
|                   |                       | min | °C | -20  |  |
|                   |                       | max | °C | +60  |  |
|                   | Storage temperature   |     |    |      |  |
|                   |                       | min | °C | -30  |  |
|                   |                       | max | °C | +80  |  |
| Protection degree |                       |     |    | IP40 |  |

Dimensions



## Wiring diagrams

| L1 L2 L3 N<br>600V~<br>METER | L1 L2 L3 N<br>600V~ |       |   | • | 1 |
|------------------------------|---------------------|-------|---|---|---|
|                              |                     | METER | N |   |   |
| METER                        |                     |       |   |   |   |
|                              |                     |       |   | M |   |

#### Certifications and compliance

EAC

# Certificates

### ETIM classification

## ETIM 8.0

EC002306 -Voltmeter for installation