VOLTAGE MONITORING REALY FOR THREE-PHASE SYSTEM, WITHOUT NEUTRAL, MINIMUM

| Product designation | Voltage <br> monitoring relays <br> PMV50 |
| :--- | :--- |
| Product type designation |  |
| General characteristics | Minimum and <br> maximum AC <br> voltage, phase <br> loss and incorrect <br> phase sequence <br> relay |
| Description | Three-phase <br>  <br> Type of system |
| wower supply | without neutral |


| Functions |  |  |  |
| :---: | :---: | :---: | :---: |
| Modular version |  |  | 2 U |
| Minimum AC voltage |  |  | Yes |
| Maximum AC voltage |  |  | Yes |
| Phase loss |  |  | Yes |
| Incorrect phase sequence |  |  | Yes |
| Asymmetry |  |  | No |
| Indications |  |  |  |
| Indication |  |  | 1 green LED for power on and tripping and 2 red LEDs for tripping |
| Connections |  |  |  |
| Terminals type |  |  | Screw |
| Tightening torque for terminals |  |  |  |
|  | max | Nm | 0.8 |
|  | max | Ibin | 7 |
| Conductor cross section |  |  |  |
| AWG/Kcmil |  |  |  |
|  | min | AWG | 24 |
|  | Max | AWG | 12 |
| IEC |  |  |  |
|  | min | $\mathrm{mm}^{2}$ | 0.2 |
|  | Max | $\mathrm{mm}^{2}$ | 4 |
| Insulations |  |  |  |
| Rated insulation voltage Ui |  | V | 600 |
| Rated impulse withstand voltage Uimp |  | kV | 6 |
| Operating frequency withstand voltage |  | kV | 4 |
| Ambient conditions |  |  |  |
| Temperature |  |  |  |
| Operating temperature |  |  |  |
|  | min | ${ }^{\circ} \mathrm{C}$ | -20 |
|  | max | ${ }^{\circ} \mathrm{C}$ | +60 |
| Storage temperature |  |  |  |
|  | min | ${ }^{\circ} \mathrm{C}$ | -30 |
|  | max | ${ }^{\circ} \mathrm{C}$ | +80 |
| Housing |  |  |  |
| Execution ( $\mathrm{n}^{\circ}$ of modules) |  |  | 2 |
| Material |  |  | Self-extinguishing polyamide |
| Mounting |  |  | 35 mm DIN rail (IEC/EN 60715) |
| IEC degree of protection |  |  | IP40 on front; IP20 at terminals |
| Dimensions (W x H x D) |  | mm | $\begin{aligned} & 35.8 \times 104.7 x \\ & 64.9 \end{aligned}$ |
| Weight |  | g | 130 |
| Dimensions |  |  |  |


(0.16")


## Wiring diagrams



Certifications and compliance
Compliance
CSA C22.2 ${ }^{\circ} 14$
IEC/EN 61000-6-2
IEC/EN 61000-6-3
UL 508
$\overline{\text { Certificates }}$
$\frac{\text { cULus }}{\text { EAC }}$

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EC001438 -
ETIM 8.0

Voltage
monitoring relay

