

# K1F-WL6 50/60

270294

**Klemsan**

Motor Protection Relay

Category: Protection and Control Relays  
Type: Frequency Monitoring Relay  
Group: Electronics Products



## Commercial Information

|                                     |              |
|-------------------------------------|--------------|
| Package Unit                        | 1 pcs.       |
| Customs Tariff Number               | 853649000029 |
| Weight Per Unit Including Packaging | 0,08         |

## Technical Information

| GENERAL            |                |
|--------------------|----------------|
| Connection Type    | Screw terminal |
| Protection Class   | IP20           |
| Weight (g)         | 80             |
| Packaging Quantity | 1              |
| Case Width (mm)    | 18             |
|                    |                |

|                                     |                                                            |
|-------------------------------------|------------------------------------------------------------|
| Mounting Type                       | Rail Mount                                                 |
| Nominal Voltage                     | -                                                          |
| EMC-EMI                             | ok                                                         |
| Networks                            | 1Ø with neutral                                            |
| <b>POWER SUPPLY</b>                 |                                                            |
| Voltage                             | 24-265 V DC / 24-265 V AC                                  |
| Frequency                           | 50-60Hz                                                    |
| Consumption                         | <13VA AC                                                   |
| <b>ENVIRONMENTAL CONDITIONS</b>     |                                                            |
| Operating Temperature               | -20 to +60°C                                               |
| Storage Temperature                 | -40°C +75°C                                                |
| Relative Humidity (Non-condensing)  | Max. 95% (no condensation)                                 |
| <b>BACKUP CONNECTIONS</b>           |                                                            |
| Type                                | 1 C/O (SPDT)                                               |
| Max. Values - AC (NO side)          | 10A/250V; 1250 VA                                          |
| Max. Values - DC (NO side)          | 5A/30VDC; 150W                                             |
| Mechanical Operating Life           | = 10 <sup>7</sup> operations                               |
| Electrical Operating Life (NO side) | 5x10 <sup>4</sup> (5A@250VAC) 1x10 <sup>5</sup> (5A@30VDC) |
| <b>MONITORING FUNCTIONS</b>         |                                                            |
| Phase Loss Delay Time               | 500                                                        |
| Phase Sequence Delay Time           | -                                                          |
| Neutral Loss Delay Time             | 500                                                        |
| Asymmetry Protection Range/Limit    | -                                                          |
|                                     |                                                            |

|                                             |                           |
|---------------------------------------------|---------------------------|
| Asymmetry Protection Hysteresis             | -                         |
| Asymmetry Protection Delay Time             | -                         |
| Voltage Protection Upper Limit              | -                         |
| Voltage Protection Lower Limit              | 75% x Un                  |
| Voltage Protection Delay Time               | 5dk .. 15dk               |
| Number of Props for Liquid Level Monitoring | -                         |
| Liquid Level Monitoring Sensitivity         | -                         |
| Liquid Level Monitoring Delay Time          | -                         |
| Light Intensity Monitoring Limit            | -                         |
| Light Intensity Monitoring Delay Time       | -                         |
| Frequency Protection Upper Limit            | 49Hz .. 55Hz & 59 .. 65Hz |
| Frequency Protection Lower Limit            | 45Hz .. 51Hz & 55 .. 61Hz |
| Frequency Protection Delay Time             | 0,03                      |
| PTC Protection Short Circuit Threshold      | 500ms                     |
| PTC Protection High Value Threshold         | -                         |
| PTC Protection Delay Time                   | -                         |
| Voltage Protection Hysteresis               | -                         |