

- › HUL
- › Monitoring Relays
- › Voltage Monitoring Relays
- › DIN Rail Mount 35 mm

- › Control of AC and DC voltages
- › Automatic recognition of AC/DC
- › Measurement ranges from 0.2 V to 600 V
- › Choice between under and overvoltage
- › True RMS measurement
- › Selectable latching (memory) function



| Specifications | | | |
|-------------------|-------------------|---------------------|----------|
| Functions | Measurement range | Nominal voltage (V) | Code |
| Under/Overvoltage | 0,2 V →60 V | 24 →240 V AC/DC | 84872120 |

| Power supply | |
|--|--------------------------|
| Supply voltage Un | 24 V →240 V AC/DC |
| Voltage supply tolerance | -15% / +10% |
| Operating range | 20,4 V →264 V AC/DC |
| Polarity with DC voltage | No |
| AC supply voltage frequency | 50 / 60 Hz ±10% |
| Galvanic isolation of power supply/measurement | No |
| Power consumption at Un | 3.5 VA in AC/0.6 W in DC |
| Immunity from micro power cuts | 10 ms |

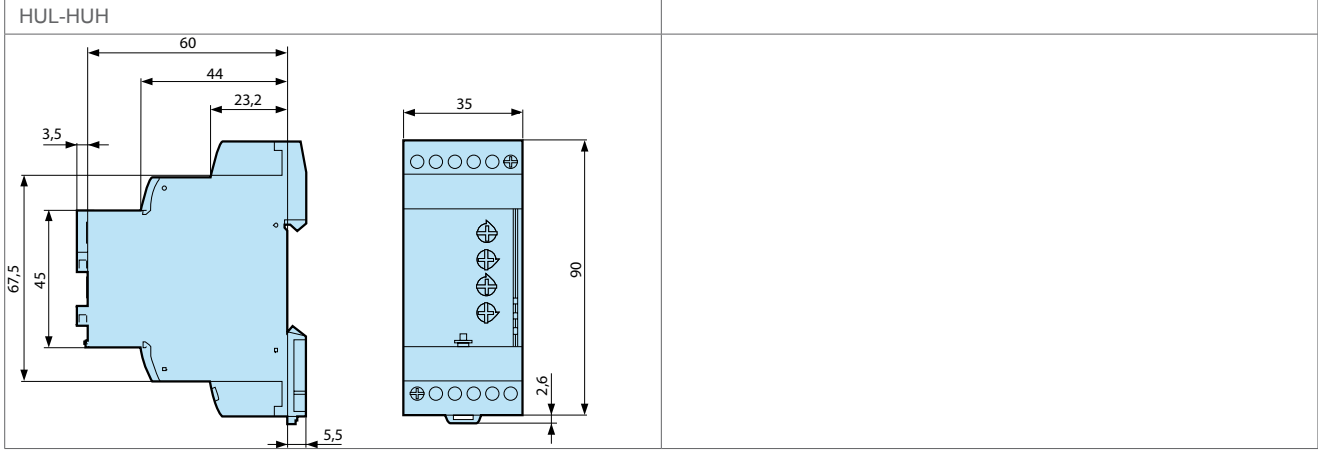
| Inputs and measuring circuit | |
|--|---|
| Frequency of measured signal | 0 Hz, 40 →70 Hz |
| Max. measuring cycle time | 30 ms/True RMS measurement |
| Threshold adjustment | 10 →100% of the range |
| Hysteresis | Adjustable from 5 →50% of displayed threshold |
| Display precision | ±10% of full scale |
| Repetition accuracy with constant parameters | ± 0,5% |
| Measuring error with voltage drift | < 1% across the whole range |
| Measuring error with temperature drift | ± 0,05% / °C |

| Time delays | |
|--|---------------------|
| Delay on threshold crossing Tt | 0,1 →3 s (0, + 10%) |
| Repetition accuracy with constant parameters | ± 2% |
| Reset time | 1500 ms |
| Delay on pick-up | < 600 ms |

| Outputs | |
|------------------|---------------------------|
| Type of output | 1 double changeover relay |
| Type of contacts | No cadmium |

| Outputs | |
|---|---|
| Maximum breaking voltage | 250 V AC/ DC |
| Max. breaking current | 5 A AC/DC |
| Min. breaking current | 10 mA / 5 VDC |
| Electrical life (number of operations) | 1 x 10 ⁵ |
| Breaking capacity (resistive) | 1250 VA AC |
| Maximum rate | 360 operations/hour at full load |
| Operating categories acc. to IEC/EN 60947-5-1 | AC12, AC13, AC14, AC15, DC12, DC13, DC14 |
| Mechanical life (operations) | 30 x 10 ⁶ |
| Insulation | |
| Nominal insulation voltage IEC/EN 60664-1 | 250 V |
| Insulation coordination (IEC/EN 60664-1) | Overvoltage category III : degree of pollution 3 |
| Rated impulse withstand voltage (IEC/EN 60664-1) | 4 kV (1,2 / 50 µs) |
| Dielectric strength (IEC/EN 60664-1) | 2 kV AC 50 Hz 1 min. |
| Insulation resistance (IEC/EN 60664-1) | > 500 MOhm(s) / 500 V DC |
| General characteristics | |
| Display power supply | Green LED |
| Display relay | Yellow LED |
| Casing | 35 mm |
| Mounting | On 35 mm symmetrical DIN rail, IEC/EN 60715 |
| Mounting position | All positions |
| Material : enclosure plastic type VO to UL94 standard | Incandescent wire test according to IEC/EN 60695-2-11 |
| Protection (IEC/EN 60529) | Terminal block : IP 20 Casing : IP 30 |
| Weight | 130 g |
| Connecting capacity IEC/EN 60947-1 | Rigid : 1 x 4 ² - 2 x 2.5 ² mm ² 1 x 11 AWG - 2 x 14 AWG Flexible with ferrules : 1 x 2.5 ² - 2 x 1.5 ² mm ² 1 x 14 AWG - 2 x 16 AWG |
| Max. tightening torques IEC/EN 60947-1 | 0,6 → 1 Nm / 5,3 → 8,8 Lbf.In |
| Operating temperature IEC/EN 60068-2 | -20 → +50 °C |
| Storage temperature IEC/EN 60068-2 | -40 → +70 °C |
| Humidity IEC/EN 60068-2-30 | 2 x 24 hr cycle 95% RH max. without condensation 55 °C |
| Vibrations according to IEC/EN60068-2-6 | 10 → 150 Hz, A = 0.035 mm |
| Shocks IEC/EN 60068-2-6 | 5 g |
| Standards | |
| Product standard | IEC/EN 60255-1 |
| Electromagnetic compatibility (EMC) | IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4 |
| Certifications | UL, CSA |
| Marking | CE (DBT) 2006/95/EC - EMC 2004/108/EC |
| Conformity with environmental directives | RoHS |

Dimensions



Curves

Connections

