



Undervoltage monitoring relay module with fixed switching threshold (195.5 V), Screw connection, Mounting type: Mounting rail TS 35, 1 CO contact

Business data

| | |
|--|--------------------------------|
| Article number | <u>15682.2</u> |
| Article name | USR 1 |
| GTIN (EAN) | 4044211124403 |
| Packaging unit | 1 |
| Quantity unit | PC |
| Weight per piece (not including packaging) | 57 g |
| Weight per piece (including packaging) | 71 g |
| Unit of weight | G |
| Customs number | 85364900 |
| Country of origin | AT |
| Product description | Undervoltage monitoring relays |

Technical data

Dimensions

| | |
|---|---------|
| Length | 87 mm |
| Width | 17.5 mm |
| Height TS 35 / 7.5 with BA | 67.5 mm |
| Installation dimensions acc. to DIN 43880 | 1 Te |

Ratings

| | |
|-----------------------|------------------|
| Rated voltage | 250 V |
| Nominal input voltage | 3(N) - 400/230 V |
| Rated frequency min. | 48 Hz |
| Rated frequency max. | 63 Hz |
| Rated impulse voltage | 4 kV |
| Overvoltage category | III |
| Contamination degree | 3 |

Connection data

| | |
|--|---------------------|
| Connection principle | Screw connection |
| Wire cross-section single core (rigid), min. | 0.2 mm ² |
| Wire cross-section single-core (rigid), max. | 4 mm ² |
| Wire cross-section stranded, min. | 0.5 mm ² |
| Wire cross-section stranded, max. | 4 mm ² |
| Wire cross-section stranded with wire-end ferrules, min. | 0.5 mm ² |
| Wire cross-section stranded with wire-end ferrules, max. | 2.5 mm ² |
| Stripping length | 8 mm |
| Torque | 1 Nm |

Input data

| | |
|--------------------|-------------------------------|
| Drop-out voltage | Defined by measuring function |
| Power supply AC/DC | = measuring voltage V |
| Power consumption | 0,6 W |
| Tolerance | (0,7 - 1,1) Un |
| Power-on duration | 100% |
| Recovery time | 500 ms |

Technical data

Output data

| | |
|---|---|
| Electrical lifespan (AC1) | 2x10 ⁷ at 1000 VA resistive load |
| Mechanical lifespan | 20x10 ⁷ |
| Relay contact | 1 CO contact |
| Switching capacity of aligned device (gap < 5 mm) | 1250 VA (5 A / 250 V AC) |
| Switching capacity of non-aligned device (gap < 5 mm) | 1250 VA (5 A / 250 V AC) |

Time functions

| | |
|------------|---------------------------------------|
| Time range | Fast, approx. 200 ms (tripping delay) |
|------------|---------------------------------------|

Accuracy

| | |
|-----------------------|-------------------------|
| Basic accuracy | ± 5% (of rated voltage) |
| Repeat accuracy | ± 2% |
| Temperature influence | ± 1% °C |

Measuring circuit

| | |
|---------------------------|--|
| Measured value | AC Sinus, 48 - 68 Hz |
| Measurement input | = supply voltage |
| Overload capability | Defined by tolerance of the supply voltage |
| Switching threshold U_s | Fix 195,5 V (L-N) |
| Hysteresis | ca. 5% |

Materials

| | |
|---------------------------|--------|
| Working temperature, min. | -25 °C |
| Working temperature, max. | 55 °C |
| Relative humidity, min. | 15 % |
| Relative humidity, max. | 85 % |

Further technical data

| | |
|---------------------------|--|
| Status display | ✓ |
| Storage temperature, min. | -25 °C |
| Storage temperature, max. | 70 °C |
| Shock resistance | 15 g 11 ms |
| Fuse | 5 A |
| Trigger characteristic | Fast-acting (F) |
| Vibration resistance | 10 - 55 Hz 0,35 mm |
| Remarks | Refer to the package insert for LED functions. |

Technical data

Environmental Product Compliance

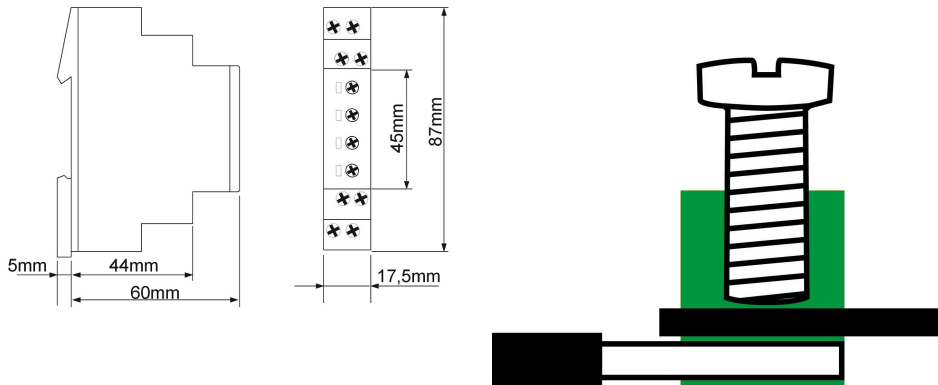
| | |
|--------------------------------|------------|
| REACH Conform | yes |
| REACH Reference date | 2023-01-17 |
| REACH Candidate Substance Note | No |
| RoHS Conform | yes |

Approvals

Standards and regulations

| | |
|--------------|-----|
| CE compliant | yes |
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Media



Accessories
