



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 <sup>2</sup>
Wire cross-section single-core (rigid), max.	4 mm <sup>2</sup>
Wire cross-section stranded, min.	0.5 mm <sup>2</sup>
Wire cross-section stranded, max.	4 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, min.	0.5 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, max.	2.5 mm <sup>2</sup>
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 <sup>5</sup> at 1000 VA resistive load
Mechanical lifespan	20x10 <sup>6</sup>
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)
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#### 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 Us	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.

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### Technical data

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#### Environmental Product Compliance

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REACH Conform	yes
REACH Reference date	2023-06-14
REACH Candidate Substance Note	No
RoHS Conform	yes

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### Approvals

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### Standards and regulations

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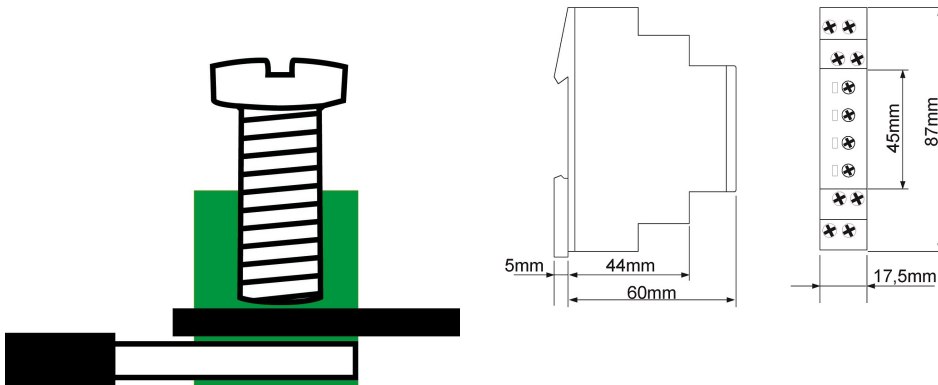
CE compliant	yes
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# Data sheet

## 15682.2 USR 1

### Media



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**Accessories**

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