

15682.2

USR 1

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

## Business data

Product description	Undervoltage monitoring relays
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	57
Weight per piece (including packaging)	71
Unit of weight	G
Customs number	85364900
Country of origin	AT

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## Technical Data

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### Dimensions

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

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

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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

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

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### Output data

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Electrical lifespan (AC1)	2x10 <sup>6</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)

### Accuracy

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

### Measuring circuit

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

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### Materials

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Working temperature, min.	-25 °C
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Working temperature, max.	55 °C
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Relative humidity, min.	15 %
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Relative humidity, max.	85 %
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### Further technical data

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

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Time range	Fast, approx. 200 ms (tripping delay)
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## Approvals

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## Standards and regulations

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CE compliant

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Media

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