Data sheet

15958.2 VMR 3

Voltage-monitoring relay module with monitoring of phase sequence, asymmetry and phase failure for 3-phase networks, Screw connection, Mounting type: Mounting rail TS 35, 1 CO contact

Business data

Article number	15958.2
Article name	VMR 3
GTIN (EAN)	4044211141950
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	61.3 g
Weight per piece (including packaging)	77.9 g
Unit of weight	G
Customs number	85364900
Country of origin	AT
Product description	Voltage-monitoring relay

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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.	4 mm²
Wire cross-section single-core (rigid), max.	0.5 mm²
Wire cross-section stranded, min.	0.5 mm²
Wire cross-section stranded, max.	4 mm²
Wire cross-section stranded with wire-end ferrules, min.	0.5 mm²
Wire cross-section stranded with wire-end ferrules, max.	2.5 mm²
Stripping length	8 mm
Torque	1 Nm

Input data

Drop-out voltage	>20% of supply voltage
Power supply AC/DC	= measuring voltage V
Power consumption	1 W
Tolerance	(0,7 - 1,3) Un
Power-on duration	1
Recovery time	500 ms

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Output data

Electrical lifespan (AC1)	$2x10^5$ at 1000 VA resistive load
Mechanical lifespan	$20x10^6$
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	0,1 s - 10 s (Auslöseverzögerung)

Accuracy

Basic accuracy	± 5%
Setting tolerance	≤ 5%
Repeat accuracy	± 2%
Temperature influence	≤1% °C

Measuring circuit

Measured value	3(N)~, Sinus, 48 - 63 Hz
Measurement input	= supply voltage
Overload capability	Defined by tolerance of the supply voltage
Asymmetry	(0,7 - 1,2) Un
Input resistance	(0,8 - 1,3) Un

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
Vibration resistance	10 - 55 Hz 0,35 mm
Remarks	Refer to the package insert for LED functions.

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Environmental Product Compliance

REACH Conform	yes
REACH Reference date	2024-01-23
REACH Candidate Substance Note	No
RoHS Conform	yes

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Approvals

Standards and regulations

CE compliant	yes

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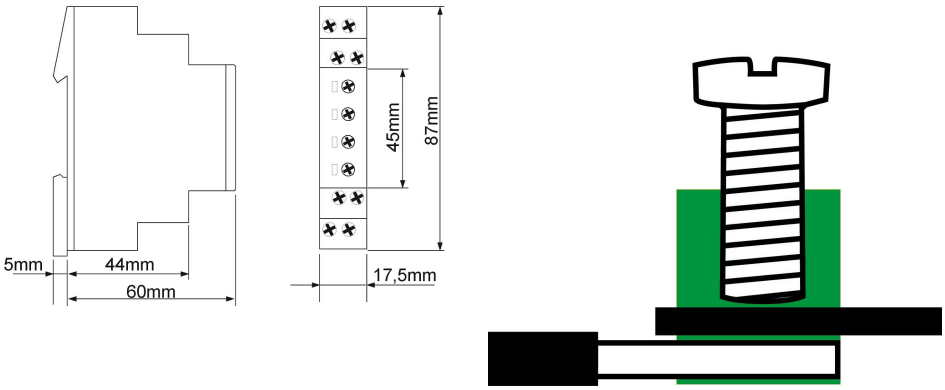
Media



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Accessories