



Multi-function timing relay module with 4 functions and an adjustable time range (50 ms to 100 h), Screw connection, Mounting type: Mounting rail TS 35, 1 CO contact

### Business data

Article number	<u>15677.2</u>
Article name	MFR 4
GTIN (EAN)	4044211124359
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	59.5 g
Weight per piece (including packaging)	73.7 g
Unit of weight	G
Customs number	85364900
Country of origin	AT
Product description	Multi-function timing 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
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	>30% of min. supply voltage
Power supply AC/DC	24 - 240 V
Control pulse length, min.	DC 50 / AC 100 ms
Power consumption	1,5 W
Tolerance	(0,85) 24 V - (1,1) 240 V
Power-on duration	1
Recovery time	100 ms
Residual ripple for DC	10%

### Technical data

#### Materials

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

#### Output data

Electrical lifespan (AC1)	2x10 <sup>7</sup> at 1000 VA resistive load
Mechanical lifespan	20x10 <sup>7</sup>
Relay contact	1 CO contact
Switching capacity of aligned device (gap < 5 mm)	2000 VA (8 A/ 250 V AC)
Switching capacity of non-aligned device (gap < 5 mm)	2000 VA (8 A/ 250 V AC)

#### Time functions

Time range	50 ms - 100 h
Setting ranges	7

#### Accuracy

Basic accuracy	± 1% (from scale reading)
Setting tolerance	< 5% (from scale reading)
Repeat accuracy	± 5% / ± 5 ms
Temperature influence	± 0,01% / °C °C

#### Control contact

Input	Voltage applied, terminals A1-B1
Response threshold	Automatically adjusted to supply voltage
Load capacity	yes
Cable length, max.	10 m

#### Further technical data

Status display	✓
Storage temperature, min.	-25 °C
Storage temperature, max.	70 °C
Shock resistance	15 g 11 ms
Fuse	8 A
Trigger characteristic	Fast-acting (F)
Vibration resistance	10 - 55 Hz
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	2023-01-17
REACH Candidate Substance Note	No
RoHS Conform	yes

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# Data sheet

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### Approvals

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### Standards and regulations

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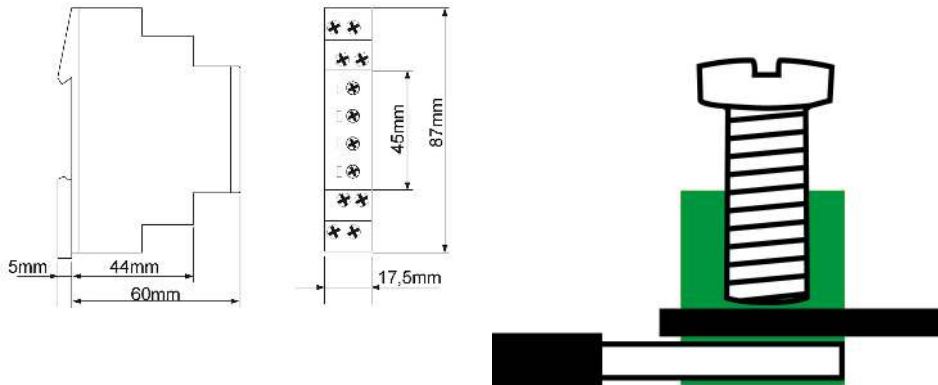
CE compliant	yes
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# Data sheet

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### Media



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**Accessories**

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