

Multi-function timing relay module with 7 functions, control contact 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	15678.2
Article name	MFR 5
GTIN (EAN)	4044211124366
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	59.7 g
Weight per piece (including packaging)	73.9 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 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	>30% of min. supply voltage
Power supply AC/DC	12 - 240 V
Control pulse length, min.	DC 50 / AC 100 ms
Power consumption	1,5 W
Tolerance	(0,9) 12 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 ⁵ at 1000 VA resistive load
Mechanical lifespan	20x10 ⁶
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.

Technical data

Environmental Product Compliance

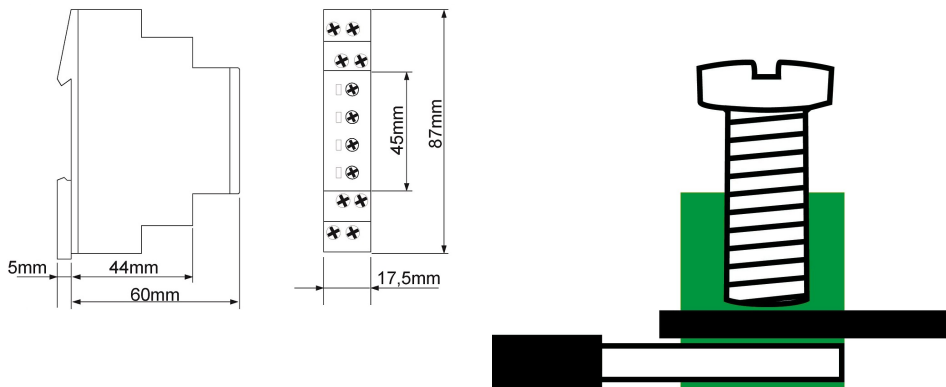
REACH Conform	yes
REACH Reference date	2023-06-14
REACH Candidate Substance Note	No
RoHS Conform	yes

Approvals

Standards and regulations

CE compliant	yes
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Media



Accessories
