Data sheet

MARk-F-E08 U 230 V AC, 24 V AC/DC

P/N 110657413370

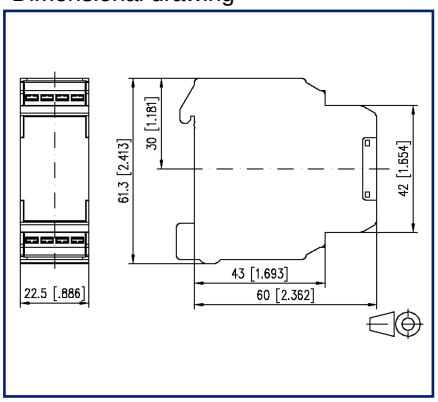
EAN 4251394629285

2025/12/22

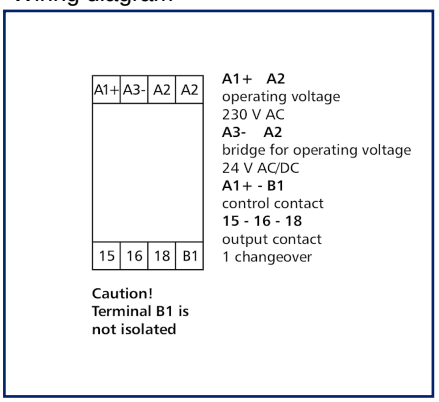
Version: L

Illustrations

Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

Multifunctional timer relay with incorporated coding switches to set functions. The time is set by means of a linear potentiometer on a relative scale.

- Connection with spring clamp terminal blocks (push-in)
- Eight adjustable time ranges from 0.15 s to 10 h
- Two selectable functions
- 1. On-delayed
- 2. Off-delayed

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Technical Data

Supply	
Operating voltage	230 V AC / 24 V AC/DC -10% ... +10%
Frequency range	50 ... 60 Hz
Power consumption	
Power consumption 230 V AC	5.2 VA
Power consumption 24 V AC	0.5 VA
Power consumption 24 V DC	0.3 W
Duty cycle relative	100 %
Protection circuit	Polarity reversal protection of operating voltage Varistor against interference voltage
Time Ranges	
Time range adjustable	0.15 s - 10 h
Repeatability	0.1 %
Inputs	
Minimum switch-on duration	
Minimum switch-on duration (control contact)	> 0.2 s
Outputs	
Contacts	1 changeover contact
Contact material	$AgSnO_2$
Switching voltage (max.)	250 V AC
Continuous Current	6 A
Protection	6 A
Switching frequency	1200 switching cycles/h
Mechanical life	$1x10^7$ switching cycles
Electrical life	$1x10^5$ switching cycles
Recovery time	
Recovery time (control contact)	> 50 ms
Indicator	green and red LED

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Technical Data

Insulation coil - contact set	
Nominal voltage of the power supply system	230 / 400 V AC
Overvoltage category	III | II
Degree of pollution	2 | 2
Rated test voltage	4 kV | 2.5 kV
Type of insulation	basic insulation | reinforced insulation
Housing	
Dimensions	
Dimension (W x H x D)	22.5 mm x 61.3 mm x 60 mm
Dimension (W x H x D)	0.886 in. x 2.413 in. x 2.362 in.
Weight	70 g
Mounting style	Standard rail TH35
Mounting position	any
Apposition	without distance
Connection type	Spring clamp terminal blocks
Terminal blocks	
Wire cross section solid	0.2 mm² - 2.5 mm² / AWG 24-14
Wire cross section multi	0.25 mm² - 2.5 mm² / AWG 24-12
Wire cross section with wire ferrule	0.25 mm² - 1.5 mm² / AWG 24-16
Stripping length (min.)	8 mm
Material	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polyamid 6.6 V0
Protection category according to IEC 60529	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20

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Technical Data

Climatic Data

Operating	
Temperature - Operating °C	-10 °C - 55 °C
Temperature - Operating °F	14 °F - 131 °F
Relative humidity	max. 85 % non-condensing
Storage	
Temperature - Storage °C	-25 °C - 70 °C
Temperature - Storage °F	-13 °F - 158 °F

Power loss

Power loss (typical)	1 W

Classifications

ETIM 7.0	EC001439
ETIM 8.0	EC001439
ETIM 9.0	EC001439
ETIM 10.0	EC001439

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

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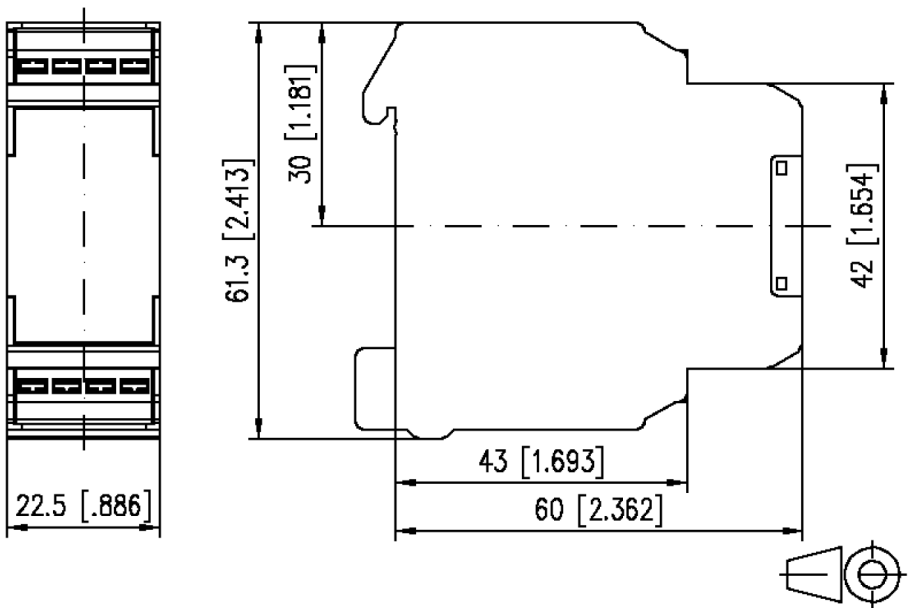
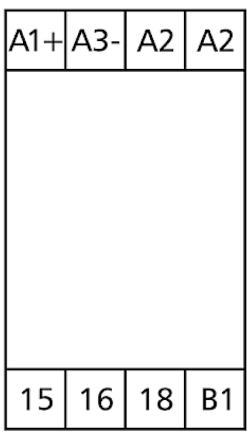
Illustrations

Dimensional drawing



Wiring diagram



A1+ A2
operating voltage
230 V AC
A3- A2
bridge for operating voltage
24 V AC/DC
A1+ - B1
control contact
15 - 16 - 18
output contact
1 changeover

Caution!
Terminal B1 is not isolated

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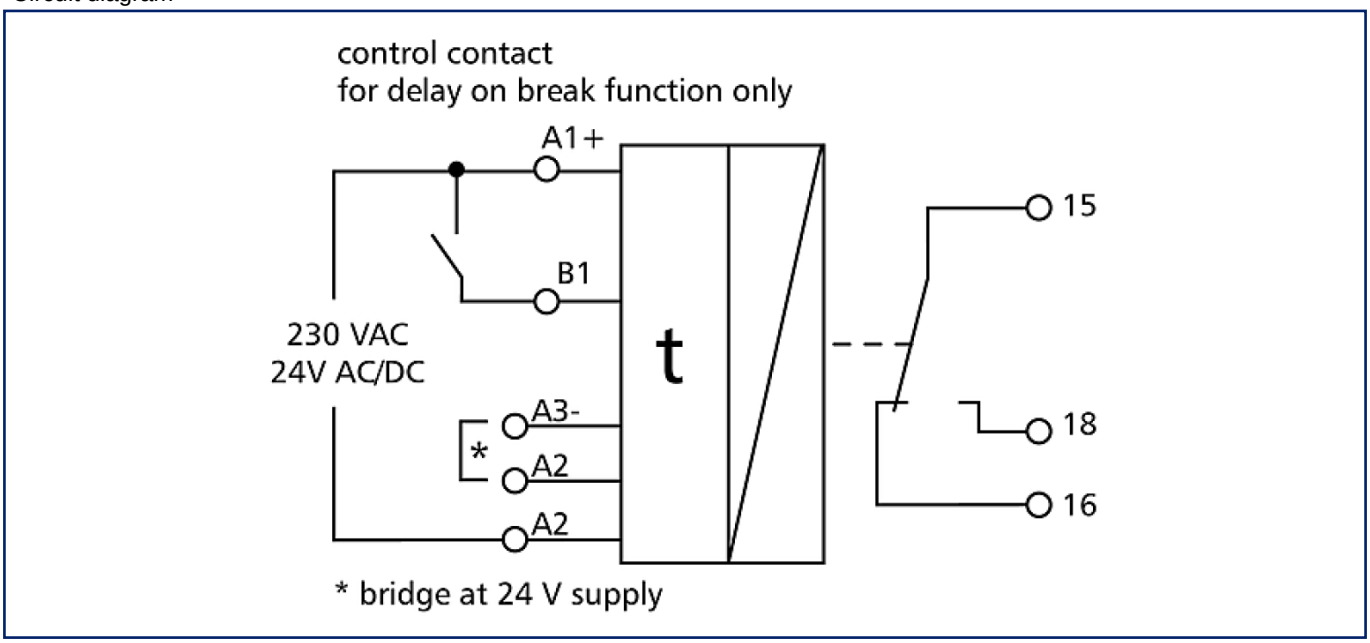
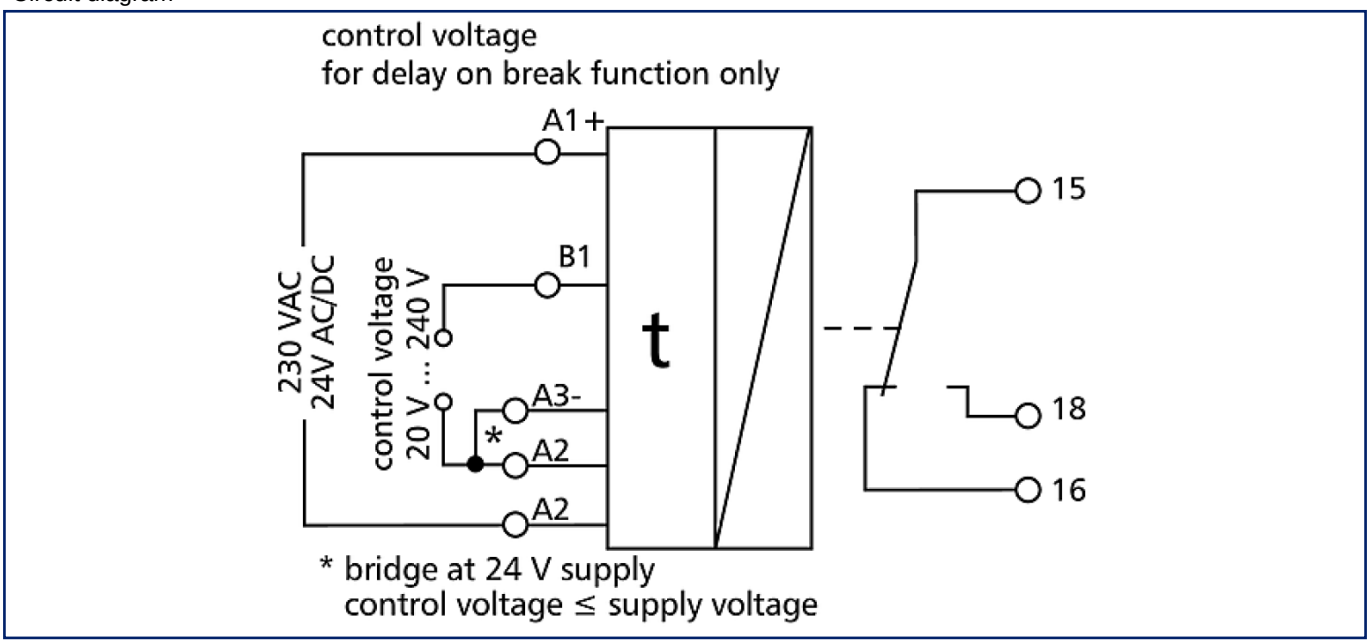
Illustrations

Circuit diagram



Circuit diagram



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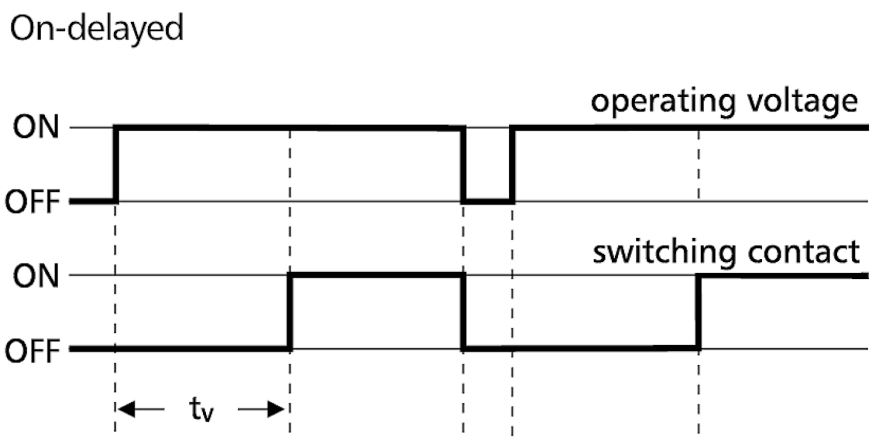
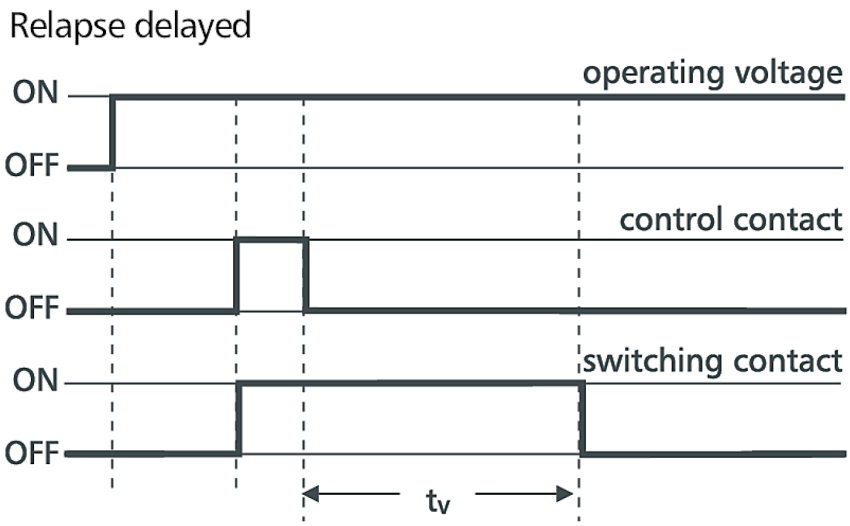
Illustrations

Function diagram



Function diagram



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