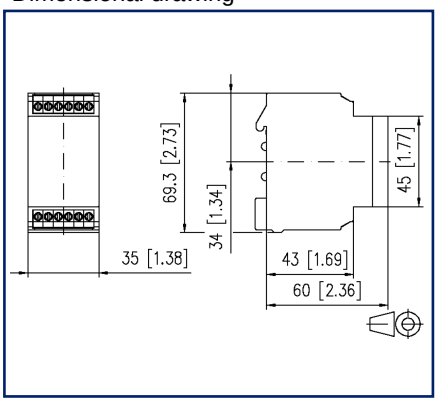
Data sheet
RTM-C12, 230 V AC

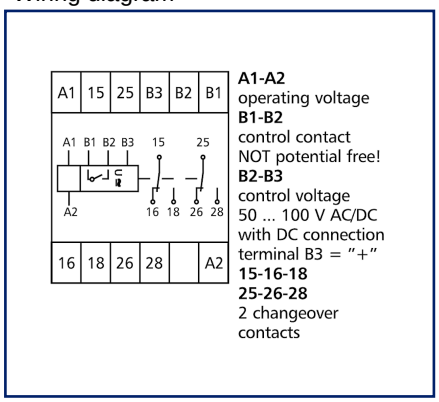
P/N 11027605
EAN 4250184121008
2025/08/20
Version: H

Illustrations

Dimensional drawing



Wiring diagram



A1-A2
operating voltage
B1-B2
control contact
NOT potential free!
B2-B3
control voltage
50 ... 100 V AC/DC
with DC connection
terminal B3 = "+"
15-16-18
25-26-28
2 changeover
contacts

See enlarged drawings at the end of document

Product specification

The timer relay is used for pulse prolongation. When the control contact is closed min. 5 ms, the relay is activated and releases after the adjusted pulse time has lapsed. Further control pulses during the pulse time do not have any effect.

- Adjustable pulse length: 0.15 to 3 s
- Connection with screw-type terminals

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Technical Data

Supply	
Operating voltage	230 V AC -15% ... +10%
Power consumption (max.)	15 mA
Duty cycle relative	100 %
Response time typical	20 ms
Release time typical	20 ms
pulse times, adjustable	0.15 s - 3 s
Inputs	
Minimum switch-on duration	
Minimum switch-on duration (control contact)	>= 5 ms
Outputs	
Contacts	2 changeover contacts
Contact material	AgNi 90/10 gold-plated
Switching voltage (max.)	250 V AC/DC
Continuous Current	8 A
Mechanical life	$3x10^7$ switching cycles
Electrical life	$1x10^5$ switching cycles
Recovery time	
Recovery time (control contact)	>= 20 ms
Housing	
Dimensions	
Dimension (W x H x D)	35 mm x 69.3 mm x 60 mm
Dimension (W x H x D)	1.378 in. x 2.728 in. x 2.362 in.
Weight	160 g
Mounting style	Standard rail TH35
Mounting position	any
Apposition	without distance
Connection type	Screw type terminal blocks

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Technical Data

Material	
Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	Polyamid 6.6 V0
Material - Covers	Polycarbonat
Protection category according to IEC 60529	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20
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
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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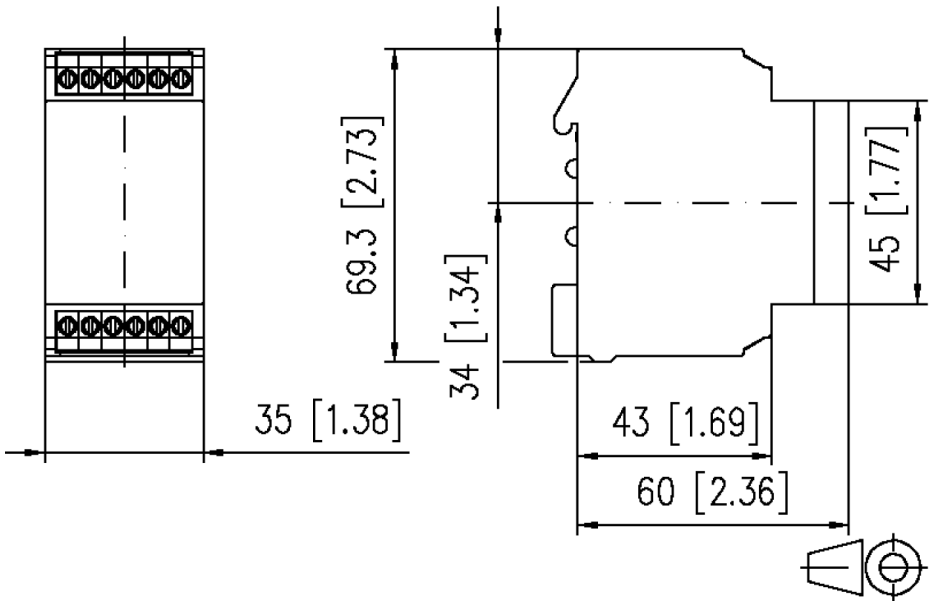
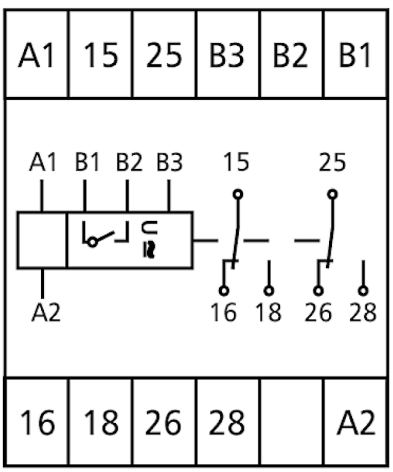


Wiring diagram



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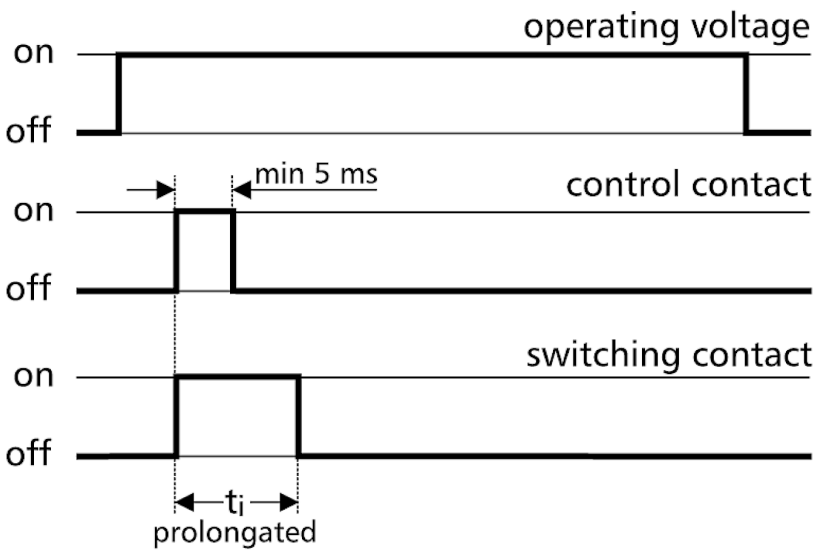
Function diagram



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