

Data sheet

STM-C12

Page 1/5

P/N

110520

EAN 4250184122395

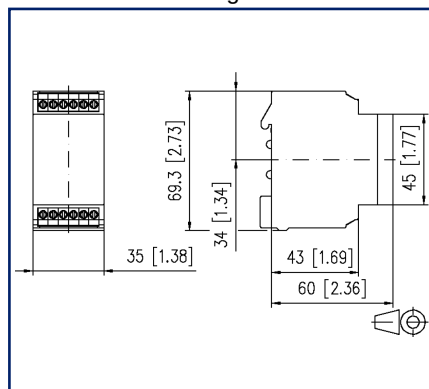
2026/09/23

Version: I

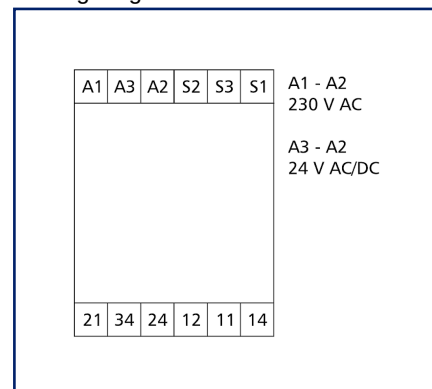
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

When a fault message is applied, an alarm signal, a flashing signal and a horn relay are activated. The horn relay can be switched off by means of the incorporated pushbutton or an externally applied signal. An active alarm signal is shown as long as it is applied.

- acknowledgeable horn output
- Connection with screw-type terminals

Data sheet

STM-C12

Page 2/5

P/N

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Version: I

Technical Data

Supply

Operating voltage	24 V AC/DC, 230 V AC -10% ... +10%
Power consumption (max.)	60 mA
Duty cycle relative	100 %
Recovery time	< 100 ms

Outputs

Contacts	3 relay contacts
Contact material	AgSnO ₂
Switching voltage (max.)	250 V AC
Continuous Current	4 A
Switching frequency	360 switching cycles/h
Breaking capacity (resistive load)	
Mechanical life	1x10 ⁷ switching cycles
Electrical life	1x10 ⁵ switching cycles
Indicator	yellow LED

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)	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	70 g
Mounting style	Standard rail TH35
Mounting position	any
Apposition	without distance
Connection type	Screw type terminal blocks

Data sheet

STM-C12

Page 3/5

P/N

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Version: I

Technical Data

Terminal blocks

Wire cross section solid	0.34 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section multi	0.34 mm ² - 2.5 mm ² / AWG 22-12
Wire cross section with wire ferrule	0.34 mm ² - 2.5 mm ² / AWG 22-12
Screw torque (max.)	0.5 Nm
Stripping length (min.)	8 mm

Material

Material - Housing	Polyamid 6.6 V0
Color	gray
Material - Terminal block	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

Climatic Data

Operating

Temperature - Operating °C	0 °C - 55 °C
Temperature - Operating °F	32 °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	EC000683
ETIM 8.0	EC000683
ETIM 9.0	EC000683
ETIM 10.0	EC000683

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.



Data sheet STM-C12

Page 4/5

P/N
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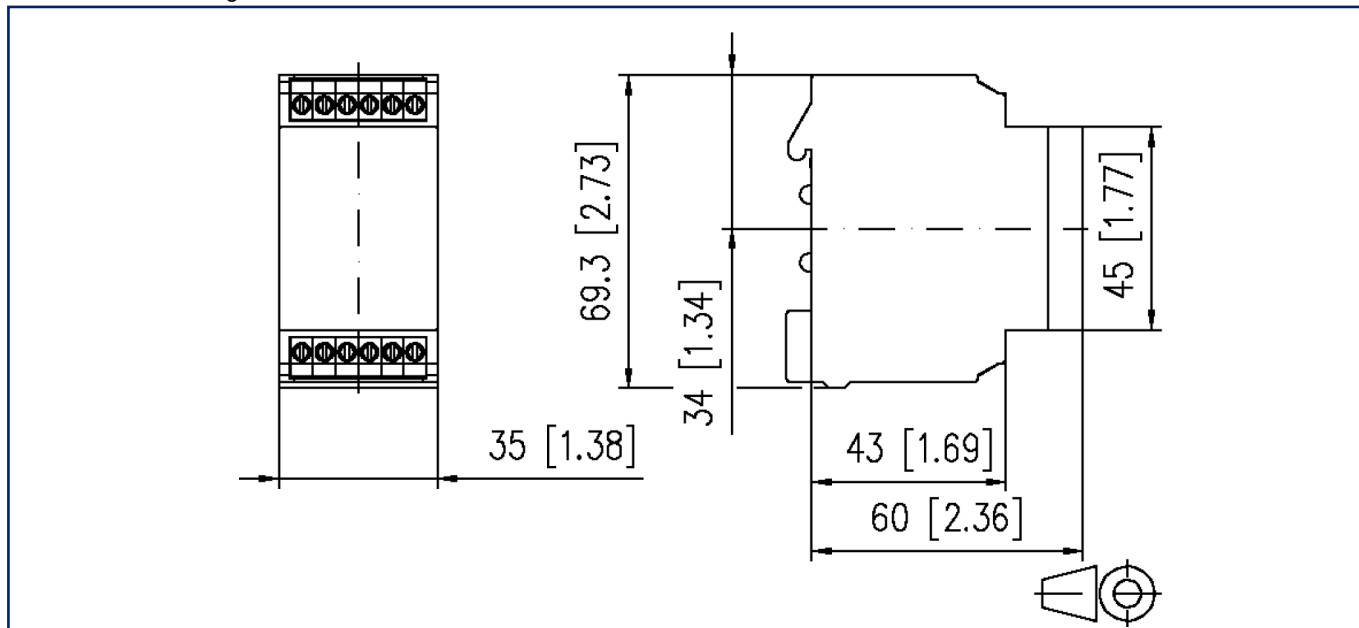
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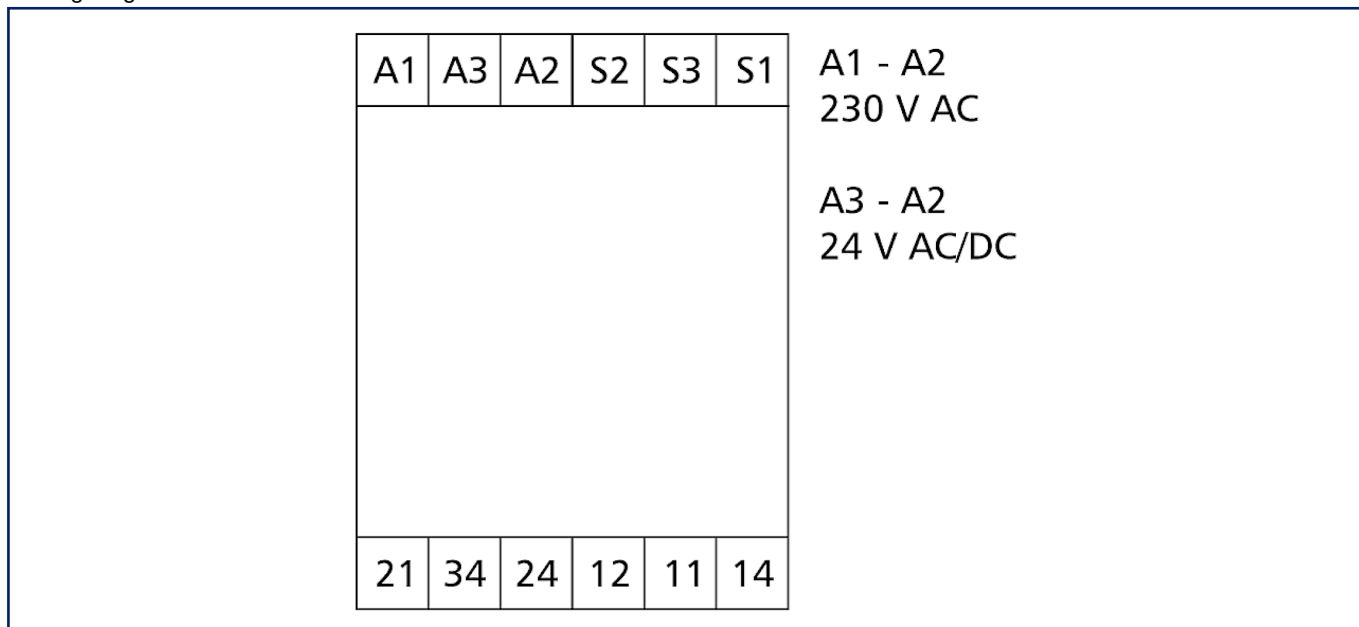
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Illustrations

Dimensional drawing

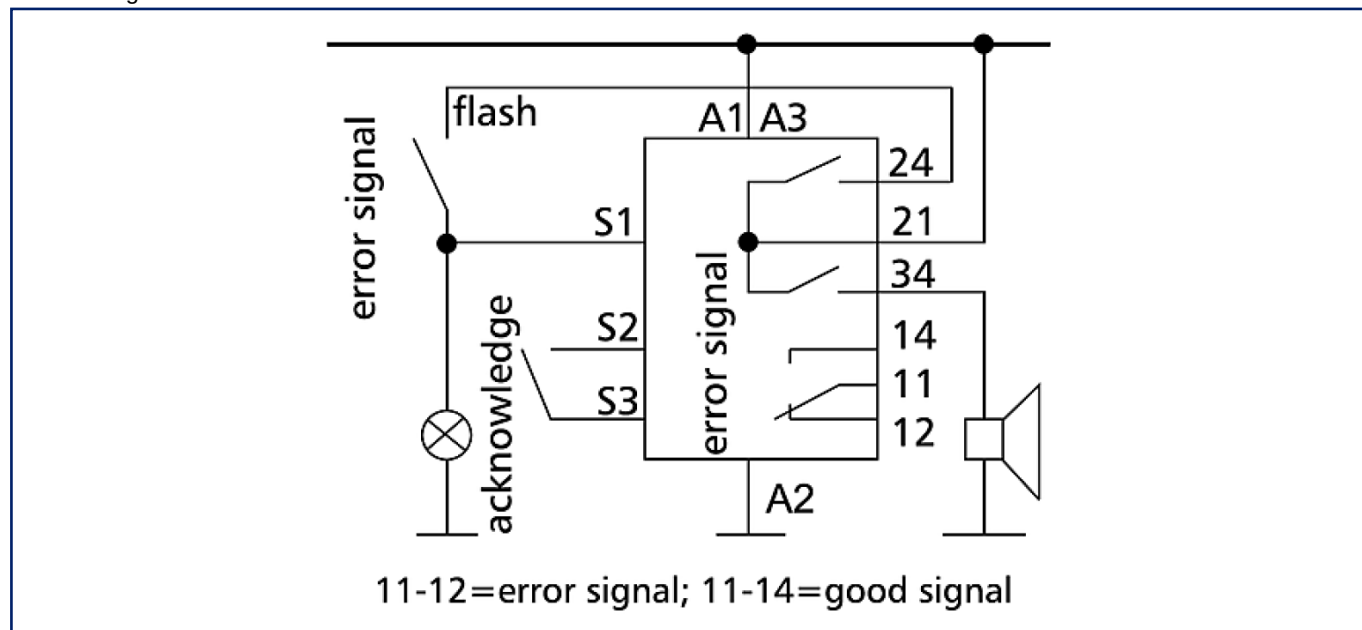


Wiring diagram



Illustrations

Circuit diagram



Function diagram

