

Data sheet

DUW-F-C12

Page 1/6

P/N

11027170

EAN 4251394620473

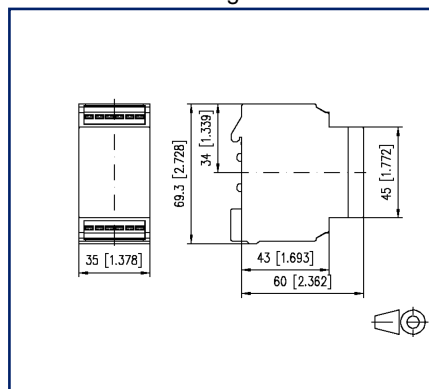
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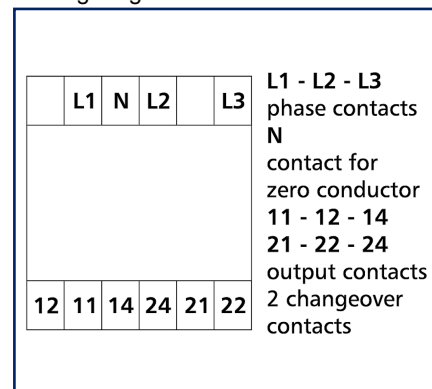
Illustrations



Dimensional drawing



Wiring diagram



See enlarged drawings at the end of document

Product specification

Undervoltage monitor in three-phase mains (each phase against neutral) with fixed threshold value, fixed hysteresis and integrated testing key. It has been developed especially for emergency lighting to DIN VDE 0108. The device can also be used for monitoring an individual phase. All unoccupied inputs have to be connected to the connected phase. If there is an inverse voltage due to the consumer, which exceeds the adjusted threshold value, there is not any fault message. OK message: Relay is activated (contacts 11-14 and 21-24 closed), LED is off. Fault message: Relay is deactivated (contacts 11-14 and 21-24 open), LED is on. Key pressed: Relay is being deactivated (contacts 11-14 and 21-24 open), LED lights up.

- Connection with spring clamp terminal blocks (push-in)



Technical Data

Supply

Operating voltage	3N 400/230 V -30% ... +10%
Frequency range	50 Hz
Consumption	16 VA (1,7 W)
Recovery time	< 300 ms

Inputs

Threshold voltage fixed	fixed, 195 V AC (UN x 0,85)
Basic accuracy	+/- 4 %
Repeatability	+/- 1 %
Monitoring voltage (L1, L2, L3)	3 x 230/400 V AC, 50 Hz
Dropout voltage	< 85 % of supply voltage
Shutter release delay	fixed, approx. 100 ms
Switching hysteresis	fixed, approx. 5 %
Temperature error	0.1 %/°C

Outputs

Contacts	2 changeover contacts
Contact material	AgNi
Switching voltage (max.)	250 V AC
Continuous Current	8 A
Switching frequency	360 switching cycles/h
Mechanical life	3x10 ⁷ switching cycles
Electrical life	2x10 ⁵ switching cycles
Indicator	green and red 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



Technical Data

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	110 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 mm ² - 2.5 mm ² / AWG 24-14
Wire cross section multi	0.25 mm ² - 2.5 mm ² / AWG 24-12
Wire cross section with wire ferrule	0.25 mm ² - 1.5 mm ² / 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	Polycarbonat
Protection category according to IEC 60529	
Protection category - housing (acc. to IEC 60529)	IP40
Protection category - terminal blocks (acc. to IEC 60529)	IP20
Temperature range	
Operating	
Temperature - Operating °C	-5 °C - 55 °C
Temperature - Operating °F	23 °F - 131 °F
Storage	
Temperature - Storage °C	-20 °C - 70 °C
Temperature - Storage °F	-4 °F - 158 °F

Technical Data**Power loss**

Power loss (typical)	2.3 W
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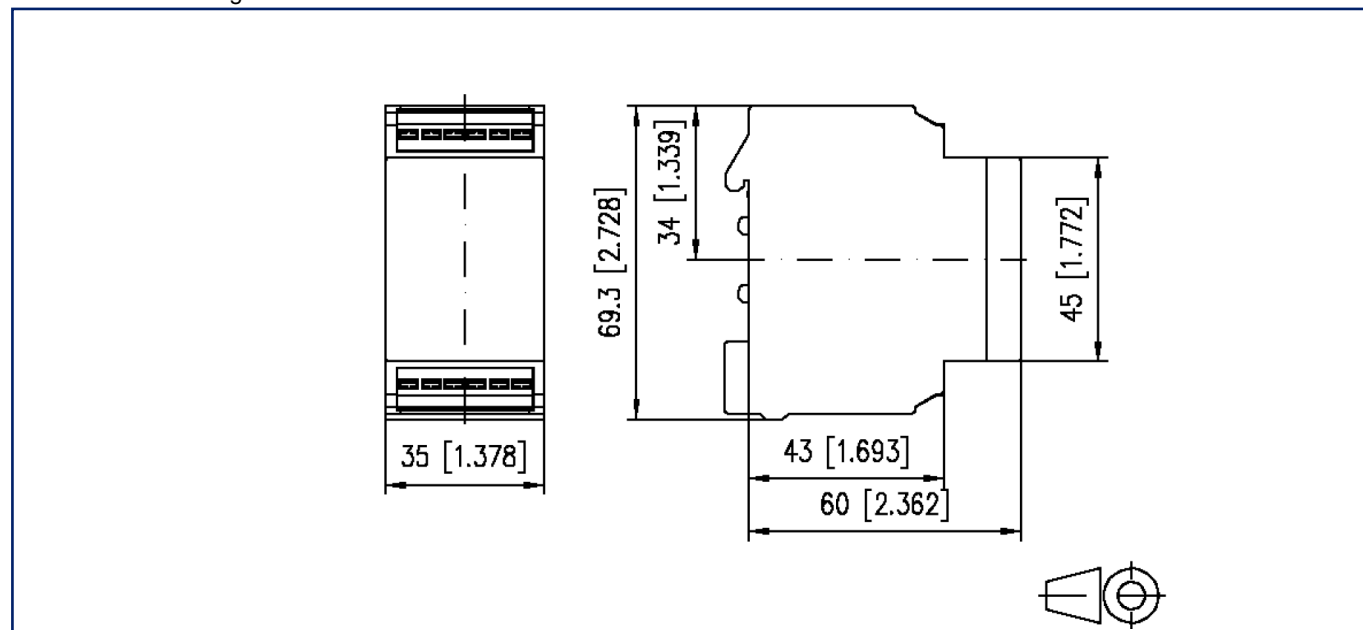
Classifications

ETIM 7.0	EC001441
ETIM 8.0	EC001441
ETIM 9.0	EC001441

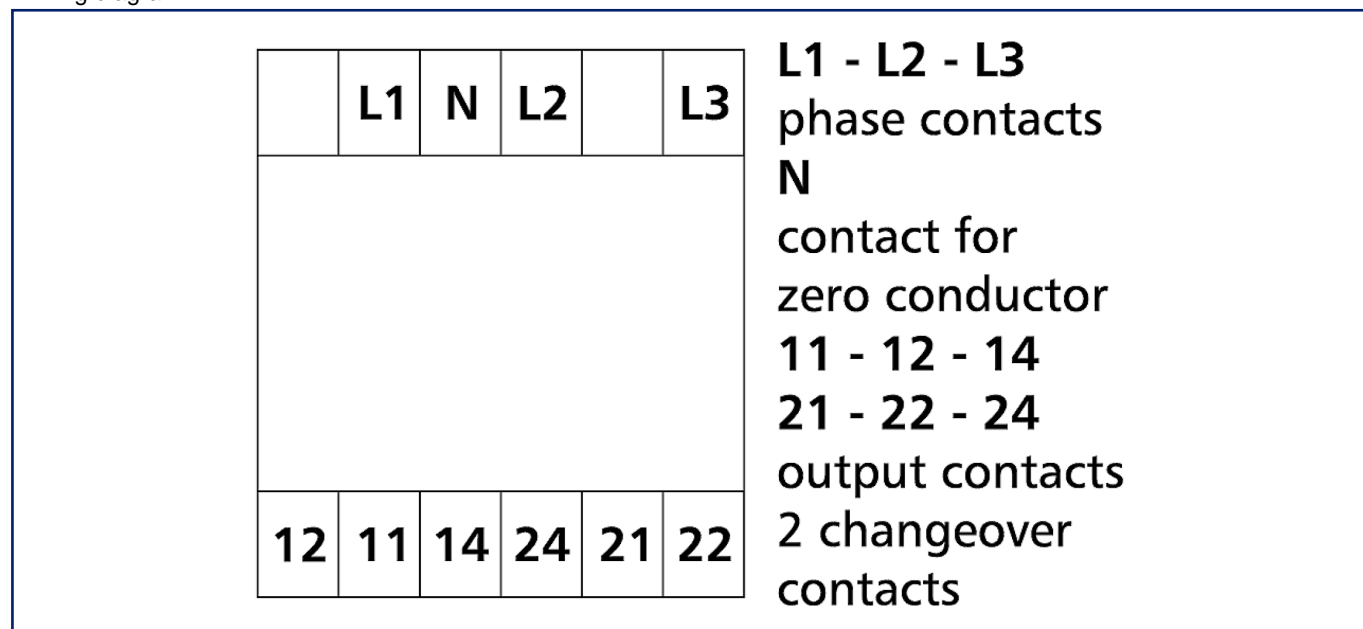


Illustrations

Dimensional drawing

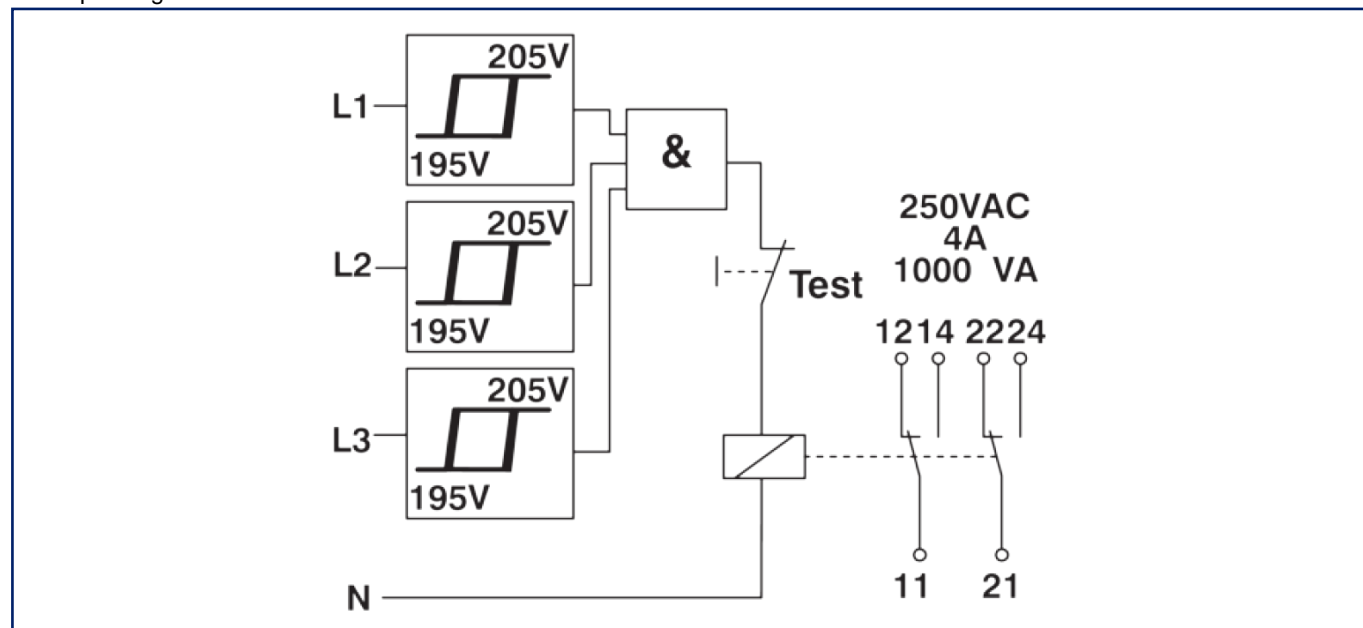


Wiring diagram



Illustrations

Principle diagram



Function diagram

