

Monitoring relay- Level monitoring of conductive liquids

Status: Available Data sheet created: 24.01.2024

Item Number: 1341500 - Serie: Enya - EAN: 9008662005099



- ✓ Monitoring relays series ENYA
- ✓ Level monitoring for conductive liquids
- ✓ Multifunction
- ✓ Supply voltage 230V AC
- ✓ Adjustable on-delay and off-delay 0.5s to 10s
- ✓ Safe separation of the measuring circuits
- ✓ 1 changeover contact
- ✓ Construction width 35mm
- ✓ Installation type

Description

Compact and reliable measurement of voltage, current, cosine phi, temperature or levels.

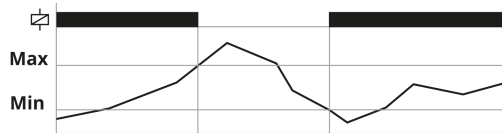
General information

Short description	Level monitoring of conductive liquids, 1 change-over contact
Item Number	1341500
EAN	9008662005099
Main category	Monitoring Relays
Series	Enya
Type	E3LM10 230V AC
Design	Installation design
Supply	230V AC
Dimensions	35 x 87 x 65 mm

Functions and measurands

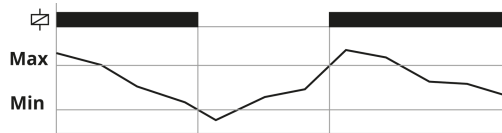
Amount of functions

2



Over (Over)

If the measured value exceeds the max value, the output relay drops out. The output relay switches into on-position again as soon as the value falls below the min-value.



Under (Under)

If the measured value falls below the min value, the output relay drops out. The output relay picks up again as soon as the value exceeds the max value.

Supply circuit

Supply voltage a.c.	230 V
Supply voltage tolerance a.c.	-15% ... +10% Un
Rated consumption a.c.	1 W / 2 VA
Rated frequency [Hz]	a.c. 48 ... 63 Hz
Drop-out voltage	>30% the supply voltage
Overvoltage category	III (IEC 60664-1)
Rated surge voltage	6 kV

Indicators

Supply/time lapse 1	Green LED U ON: Supply voltage applied
Relay state	Yellow LED ON/OFF: output relay position

Mechanical design

Housing material	made of self-extinguishing plastic
Housing - protection degree	IP40
Mounting	top hat rail TH 35 7,5-15 according to IEC 60715:2017 / EN 60715:2017
Terminals/connections	Touch-proof clamping yoke terminals according to DGUV 3 (Screwdriver PZ1 required)
Terminals - protection degree	IP20
Mounting position	any
Max. Tightening Torque	1 Nm
Terminal capacity	<ul style="list-style-type: none"> ■ 1 x 0.5 to 2.5mm² with/without ferrule ■ 1 x 4mm² without wire end ferrule ■ 2 x 0.5 to 1.5mm² with/without end sleeves 2 x 2.5mm² flexible without ferrules

Output circuit

Type	Relay
Terminals 1	15-16-18
Rated voltage	250 V a.c.
Mechanical life	20 x 10 ⁶ Switching cycles
Electrical life	2 x 10 ⁵ Switching cycles (1000VA)
Rated surge voltage	6 kV
Overvoltage category	III (nach IEC 60664-1)

Measuring circuit

Measurand	Level
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Ambient conditions and general specifications

Storage temperature	-25 ... +70 °C
Transport temperature	-25 ... +70 °C
Pollution degree	2, pollution level can be increased by installation in suitable enclosures (according to IEC 60664-1)

Logistics

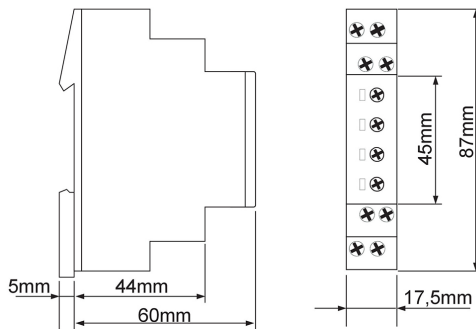
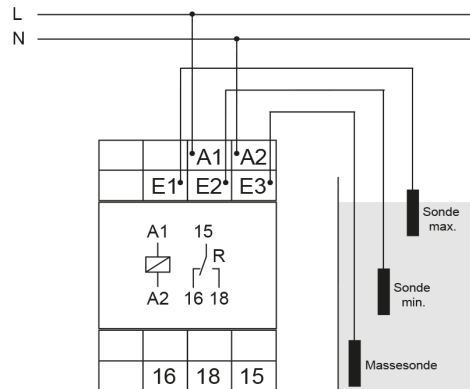
Minimum Quantity	1
Tariff Number	85364900
EAN	9008662005099
Country of Origin	AT
Product Weight (g)	141

Available declarations / conformities

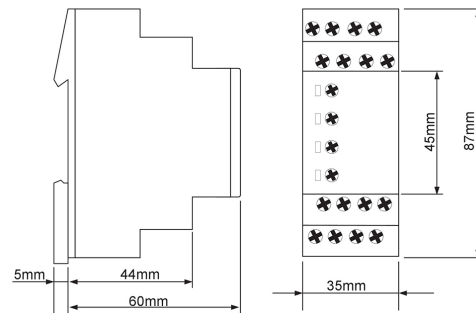
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RoHs	Open document
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Media & drawings



Dimensions



CAD Files

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Changes and errors excepted