E1IU500MAAC01 230VAC

Monitoring relay - current monitoring 1-phase

Status: Available Data sheet created: 01.07.2025

Item Number: 1340204 - **Serie:** Enya - **EAN:** 9008662005341



- Monitoring relay series ENYA
- Current monitoring 1-phase
- Undercurrent monitoring
- Measuring range 500mA
- Measuring voltage = supply voltage
- Supply voltage 230V AC
- 1 changeover contact
- width 17.5mm
- Installation type

Description

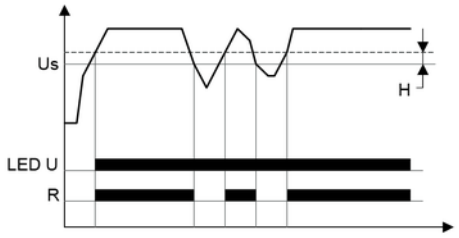
AC current monitoring in 1-phase mains with adjustable threshold and fixed hysteresis.

General information

Short description	Current monitoring 1-phase, 500mA, undercurrent, 1 changeover contact, 230V AC
Item Number	1340204
EAN	9008662005341
Main category	Monitoring Relays
Series	Enya
Type	E1IU500MAAC01 230VAC
Design	Installation design
Supply	230V AC
Dimensions	17.5 x 87 x 65 mm

Functions and measurands

Amount of functions	1



Undercurrent monitoring (UNDER)
When the measured current falls below the value adjusted at the Minregulator, the output relay R switches into off-position (yellow LED not illuminated). When the measured current exceeds the value adjusted at the Min-regulator plus the hysteresis, the output relay R switches into on-position again (yellow LED illuminated).

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	• 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

Supply circuit

Terminals/connections	Li-N
Supply voltage a.c.	230 V
Supply voltage tolerance a.c.	-15% ... +15% Un
Rated frequency [Hz]	a.c. 48 ... 63 Hz
Rated consumption a.c.	0,8 W / 5 VA
Duty cycle	100%
Recovery time	500ms
Drop-out voltage	>20% the nominal voltage
Overvoltage category	III (IEC 60664-1)
Rated surge voltage	4 kV

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Output curcuit

Type	Relay
Contact 1	1 change over contact
Terminals 1	11-12-14
Rated voltage	250 V a.c.
Switching Capacity 1	1250 VA (5 A/250 V a.c.)
Fuse Protection	5 A quick
Mechanical life	15 x 10^6 Switching cycles
Electrical life	100 x 10^3 Switching cycles (1000 VA)
Switching frequency	max. 6/min at 1000VA (IEC 60947-5-1)
Rated surge voltage	4 kV
Overvoltage category	III (nach IEC 60664-1)

Measuring circuit

Measurand	Current - one phase
Measuring range	500 mA a.c.
Terminals/connections	Li-Lk
Overload capacity	2. 2A (>1.6 A - distance > 5 mm)
Pulse load	1 s 12,6 A - 3 s 6,3 A
Input resistance	100 m
Frequency - sinusoidal	48 ... 63 Hz
Switching threshold minimum	10% ... 110% In
Hysteresis	fixed 10%
Rated surge voltage	4 kV
Overvoltage category	III (nach IEC 60664-1)

Accuracy

Base accuracy	≤5 %
Adjustment accuracy	±5 %
Repetition accuracy	≤2 %
Temperature influence	≤0,1 % / °C

Ambient conditions and general specifications

Ambient temperature IEC	-25 ... +55 °C
Storage temperature	-25 ... +70 °C
Transport temperature	-25 ... +70 °C
Relative humidity	15% ... 85% (in accordance with IEC 60721-3-3 class 3K3)
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	9008662005341
Country of Origin	AT
Product Weight (g)	70

Available declarations / conformities

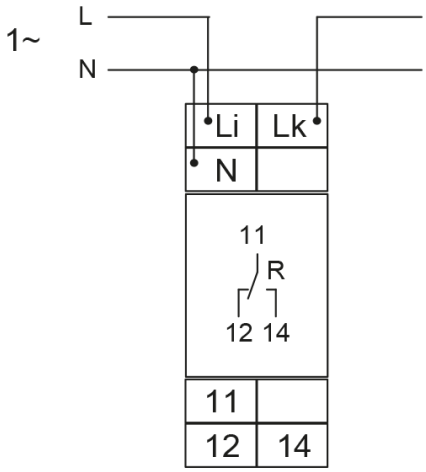
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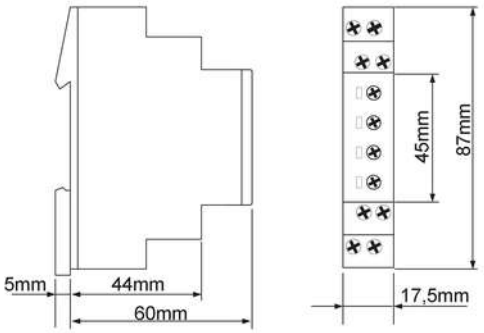
CAD Files

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Media & drawings







Dimensions

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Changes and errors excepted