

DIN Rail Mount 22.5 mm EIL Part number 84871024



- Current transformer fitted by passing a cable through the front
- AC current threshold adjustable from 1 to 20 A AC (30 Hz to 400 Hz) via button on front
- Relay output 5 A - 250 V AC - 1 N/O contact
- Multivoltage power supply : 100 to 230 V AC 50-60 Hz
24 V AC / DC
- 17.5 mm casing clips on symmetrical DIN rail

Part numbers

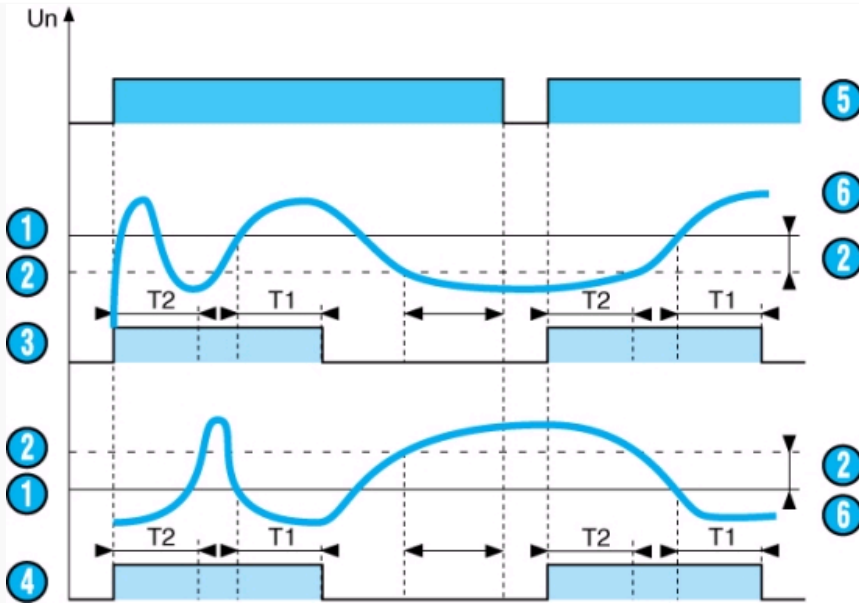
	Type	Measurement range	Supply voltage
84871024	EIL	2 →500 mA	230 V AC

Specifications

Supply voltage Un	230 V, 110 V, 48 V, 24 Va 50 / 60 Hz (galvanic isolation by transformer) 24 V DC (No galvanic isolation). In this case, the product power supply and measuring circuit power supply must be electrically isolated.
Operating range	0.85 →1.15 Un
Maximum power consumption	3 VA AC 1 W DC
Frequency of measured signal	40 →500 Hz
Adjustable hysteresis	5 →50 % of the displayed threshold
Threshold value	10 →100 % of the measurement range
Display accuracy of the preset threshold	± 10 %
Repetition accuracy with constant parameters	± 0.1 %
Drift Voltage	± 0,1 % (±10 % Un)
Drift Temperature	± 0,02 %
Delays on power up (T2)	0.1 s →20 s ± 10 %
Delay on threshold crossing Tt	0.1 s →3 s ± 10 %
Delay on pick-up	500 ms
Output relay	1 changeover AgNi, 8A AC max
Operating temperature range (°C)	-20 →+50
Storage temperature range (°C)	-30 →+70
Weight (g)	140

Inputs	E1-M E2-M E3-M
Sensitivity	E1-M : 2 →20 mA E2-M : 10 →100 mA E3-M : 50 →500 mA
Input resistance	E1-M : 5 Ω E2-M : 1 Ω E3-M : 0.2 Ω

Principles



Operating principle

AC/DC control without memory

When the value of the controlled current, either AC or DC, reaches the threshold displayed on the front face, the output relay changes state at the end of time delay T1. It returns instantly to the initial state when the current drops below the hysteresis threshold, or when the power supply is disconnected.

AC/DC control with memory

The output relay changes state at the end of time delay T1 and remains latched in this position. To reset the memory function the auxiliary supply must be disconnected.

Over-current function (UPPER)

The time delay on energisation T2 prevents current peaks due to motor starting. The delay on upward crossing of threshold T1 provides immunity to transients and other interference, thereby preventing spurious triggering of the output relay.

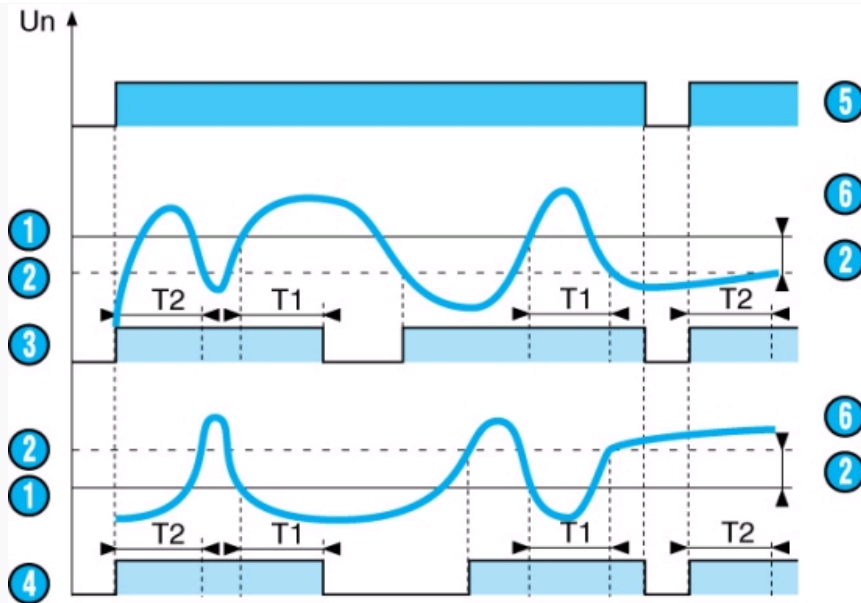
Under-current function (UNDER)

The time delay on energisation T2 prevents the occurrence of current troughs. The delay on downward crossing of threshold T1 provides immunity to random dips, thereby preventing spurious triggering of the output relay.

Note : In underload function, the absolute value of the hysteresis cannot be greater than the measurement range maximum.

N°	Legend
1	Threshold
2	Hysteresis
3	UPPER function
4	UNDER function
5	Unit power-up
6	Controlled current

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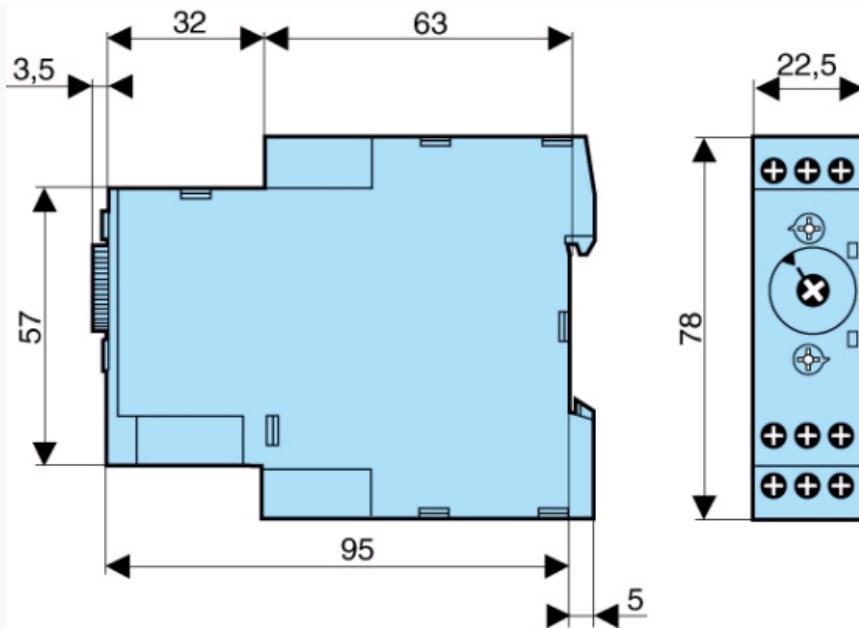
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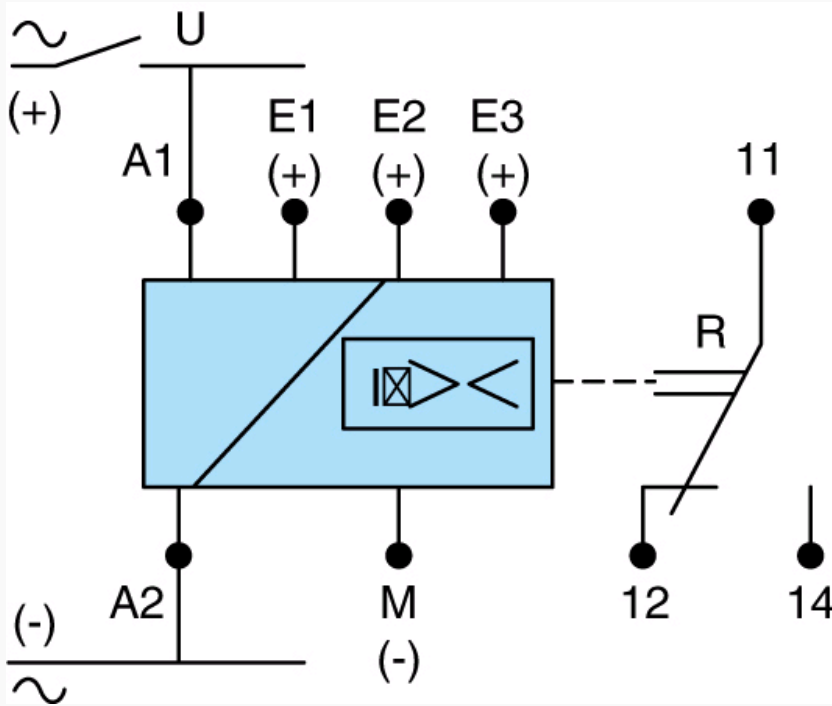
Dimensions (mm)

EIL / EIH / EIT



Connections

EIL / EIH



A1 - A2 : Supply voltage

Legend



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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