

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

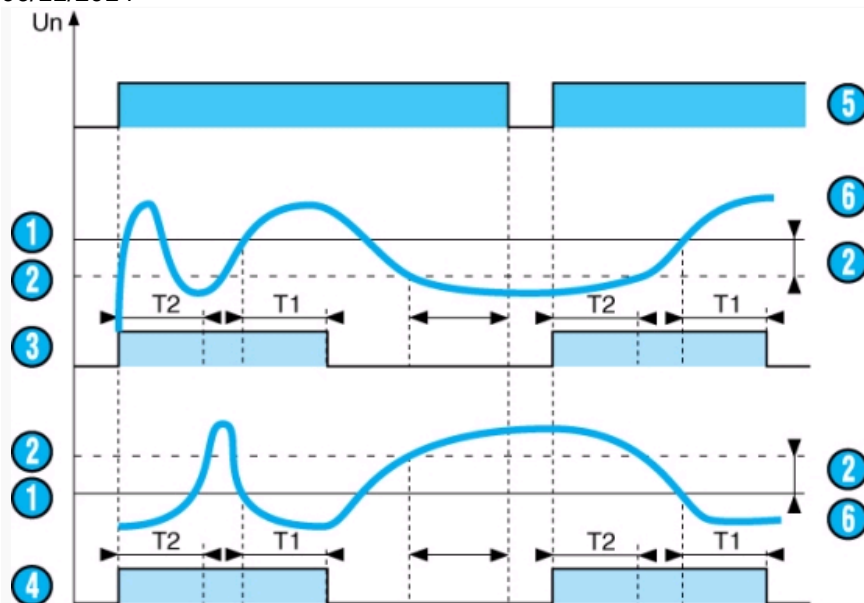
	Type	Measurement range	Supply voltage
84871 024	EIL	2 →500 mA	230 V AC

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.

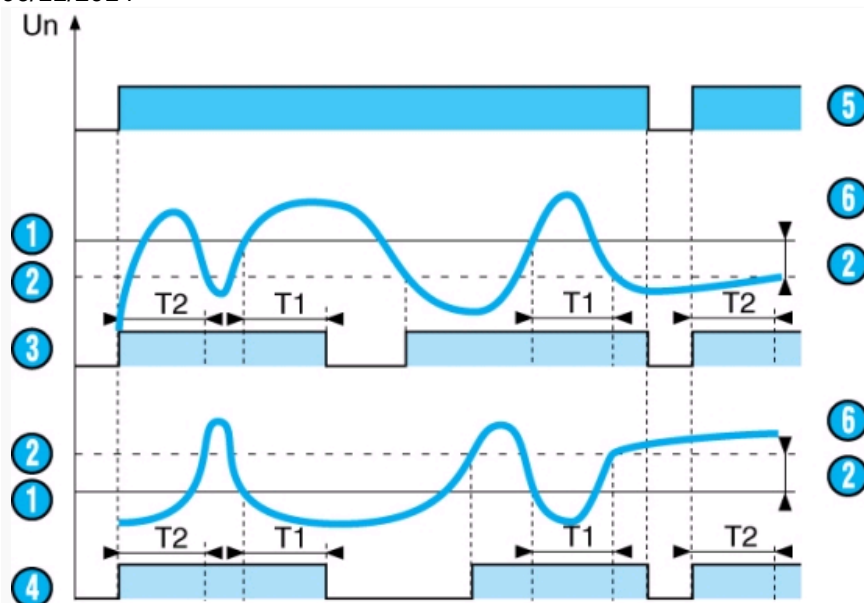
Under-current function (UNDER)

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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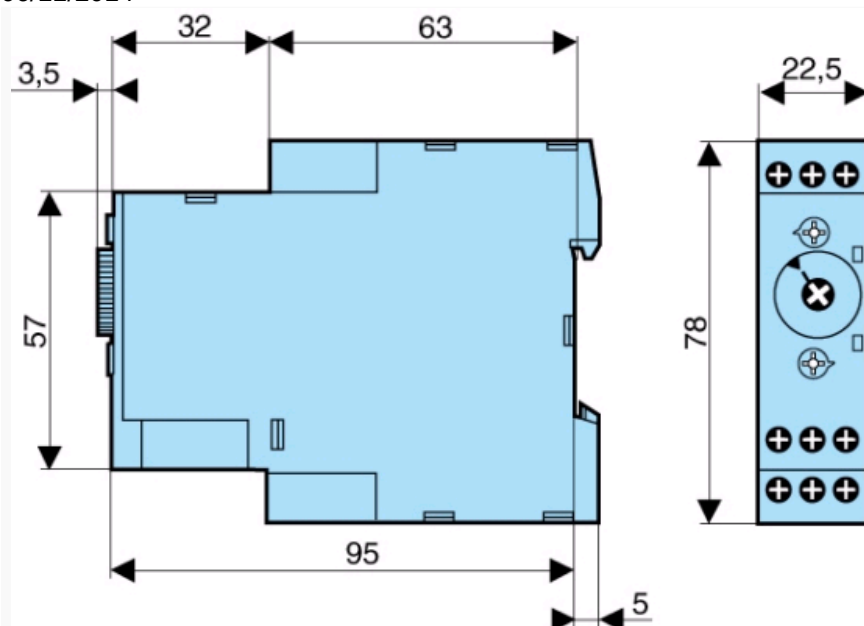
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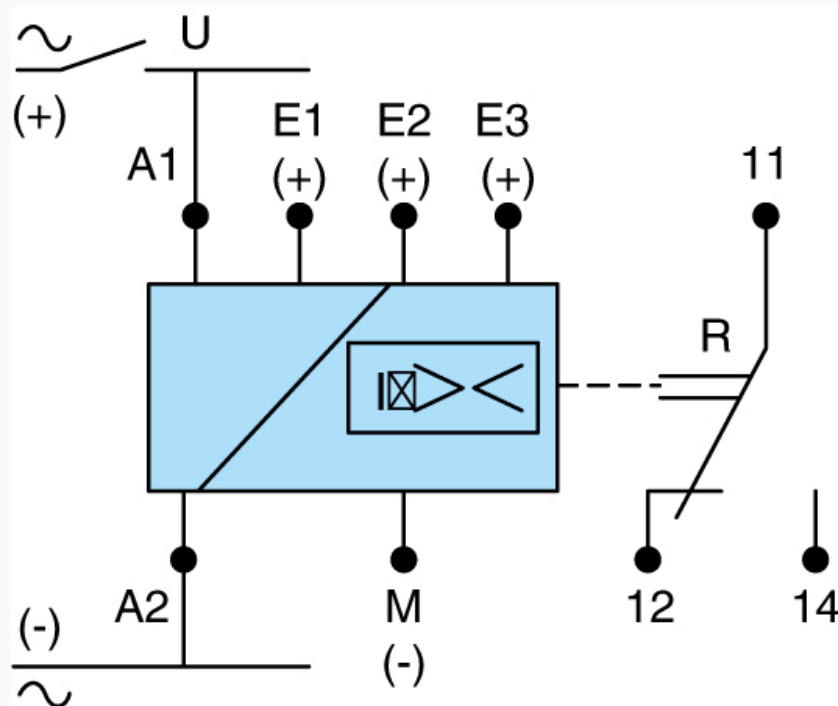
Dimensions (mm)

EIL / EIH / EIT



Connections

EIL / EIH



A1 - A2 : Supply voltage

Legend

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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