Extract from the online catalog

EMD-SL-C-UC-10

Order No.: 2867937

http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2867937

Monitoring relay for monitoring 1-phase currents of 0…10 A AC/DC, undercurrent, supply voltage can be selected using power module, 1 PDT

T H B

Product notes

WEEE/RoHS-compliant since: 09/03/2007

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Commercial data

GTIN (EAN)	4 046356 046954
sales group	H220
Pack	1 pcs.
Customs tariff	85364900
Catalog page information	Page 652 (IF-2009)

Product description

Increasingly higher demands are being placed on safety and system availability – across all sectors. Processes are becoming more and more complex, not only in mechanical engineering and the chemical industry, but also in plant and automation technology. Demands on power engineering are also increasing constantly.

Error-free and therefore cost-effective operation can only be achieved through continuous monitoring of important network and system parameters. Electronic monitoring relays in the EMD series are available for a wide range of monitoring tasks to avoid the consequences of errors or to keep them within limits.

The operating states are indicated using colored LEDs, errors that may occur can be sent to a control system via a floating contact or can shut down a part of the system. Some device versions are equipped with startup and response delays in order to briefly tolerate measured values outside the set monitoring range.

Technical data

Input data

Input current range	0 mA ... 100 mA AC/DC (Connection terminals: I1 and GND)
	0 A ... 1 A AC/DC (Connection terminals: I2 and GND)
	0 A ... 10 A AC/DC (Connection terminals: I3 and GND)
Overload capacity	800 mA (at I_N = 100 mA)
	3 A (at I_N = 1 A)
	12 A (at I_N = 10 A)
Maximum temperature coefficient	< 0.1 %/K
Function	Undercurrent
Min. setting range	5 % ... 95 % (From I_N)
Max. setting range	10 % ... 100 % (From I_N)
Setting range for response delay	0.2 s ... 10 s
Basic accuracy	± 5 % (of scale end value)
Setting accuracy	≤ 5 % (of scale end value)
Repeat accuracy	≤ 2 %
Recovery time	500 ms

Contact side

Contact type	1 floating PDT
Maximum switching voltage	250 V AC (in acc. with IEC 60664-1)
Interrupting rating (ohmic load) max.	750 VA (3 A/250 V AC, module aligned, ≤ 5 mm spacing)
	1250 VA (5 A/250 V AC, module not aligned, ≥ 5 mm spacing)
Output fuse	5 A (fast-blow)

Power supply

Supply voltage range	24 V AC ... 230 V AC (see Power modules)
	24 V DC (see Power modules)

General data

Width	22.5 mm
Height	90 mm
Depth	113 mm
Mechanical service life	Approx. 2 x 10^7 cycles

Operating mode	100% operating factor
Ambient temperature (operation)	-25 °C ... 55 °C
	-25 °C ... 40 °C (corresponds to UL 508)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Mounting position	Any
Assembly instructions	on TS 35 profile rail acc. to EN 60715
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Surge voltage category	III, basic insulation (as per EN 50178)
Housing insulation material	Polyamide PA, self-extinguishing
Color	green
Rated insulation voltage	300 V (According to EN 50178)
Conformance	CE-compliant
UL, USA / Canada	UL/C-UL listed UL 508

Connection data

Conductor cross section stranded min.	0.25 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section solid min.	0.5 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Type of connection	Screw connection

Certificates / Approvals

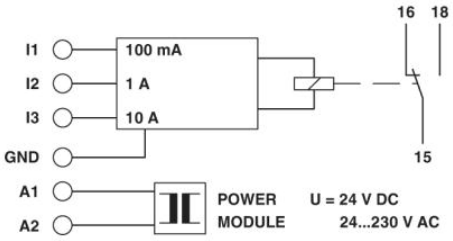
Certification	CUL Listed, UL Listed

Additional products

Item	Designation	Description
General		
2866103	EMD-SL-PS- 24AC	Power modules, pluggable, for EMD-SL-..., supply voltage: 20.2...26.4 V AC
2885359	EMD-SL-PS- 24DC	Power modules, pluggable, for EMD-SL-..., supply voltage: 20 V DC ... 30 V DC
2866116	EMD-SL-PS-110AC	Power modules, pluggable, for EMD-SL-..., supply voltage: 88...121 V AC
2885731	EMD-SL-PS-120AC	Power modules, pluggable, for EMD-SL-..., supply voltage: 108 V AC ... 132 V AC
2866129	EMD-SL-PS-230AC	Power modules, pluggable, for EMD-SL-..., supply voltage: 195...264 V AC

Diagrams/Drawings

Block diagram



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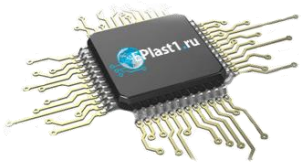
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

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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