


ETD-SL-1T-S

Order No.: 2867924

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2867924>

Timer relay for star/delta startup, supply voltage can be selected using power module, 2 PDTs



Commercial data	
GTIN (EAN)	 4 046356 046947
sales group	H320
Pack	1 pcs.
Customs tariff	85364900
Catalog page information	Page 663 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
04/11/2006



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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.

The timer relays in the ETD series can be used to control time sequences in production and process technology.

Technical data**Coil side**

Input voltage range	24 V DC (see Power modules)
	24 V AC ... 230 V AC (see Power modules)
Temperature sensitivity	≤ 0.01 %/K
Function	S: Star/delta startup
Time setting range	500 ms ... 3 min (4 time end ranges)
Recovery time	500 ms

Contact side

Contact type	2 floating PDT contacts
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)

General data

Width	22.5 mm
Height	90 mm
Depth	113 mm
Status display	Green LED (POWER) Yellow LED (relay active)
Mechanical service life	Approx. 2×10^7 cycles
Nominal power consumption	2.5 VA (1 W)
Test voltage relay winding/relay contact	4 kV
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 standard DIN rail NS 35 in accordance with EN 60715
Color	green
Housing insulation material	Polyamide PA, self-extinguishing
Permissible humidity (operation)	15 % ... 85 %
Nominal frequency	50 Hz ... 60 Hz
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.	0.5 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.5 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	20
Conductor cross section AWG/kcmil max	14
Stripping length	8 mm
Connection method	Screw connection

Certificates / Approvals



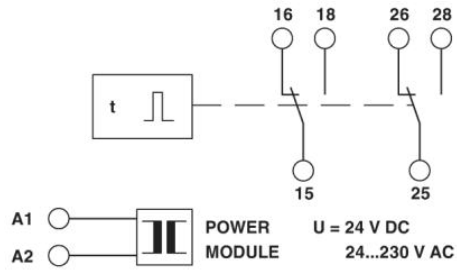
Certification CUL Listed, UL Listed

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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