

## Timer relay - ETD-SL-1T-S - 2867924

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



Timer relay for star/delta startup, supply voltage can be selected via power module, 2 changeover contacts


### 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.



### Key Commercial Data

Packing unit	1 pc
GTIN	 4 046356 046947
GTIN	4046356046947
Weight per Piece (excluding packing)	140.340 g
Custom tariff number	85364900
Country of origin	Austria

### Technical data

#### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---------------------------------------------------------------------------

#### Dimensions

Width	22.5 mm
Height	90 mm
Depth	113 mm

# Timer relay - ETD-SL-1T-S - 2867924

## Technical data

### Ambient conditions

Ambient temperature (operation)	-25 °C ... 55 °C
	-25 °C ... 40 °C (corresponds to UL 508)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	15 % ... 85 %
Degree of protection	IP40 (Housing)
	IP20 (Connection terminal blocks)
Noise immunity	EN 61000-6-2

### 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
Setting range time	500 ms ... 3 min. (4 time end ranges)
Recovery time	500 ms

### Contact side

Contact type	2 floating changeover 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

Status display	Green LED (POWER)
	Yellow LED (relay active)
Mechanical service life	approx. $2 \times 10^7$ cycles
Nominal power consumption	2.5 VA (1 W)
Test voltage relay winding/relay contact	4 kV
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

### Connection data

Connection method	Screw connection
Stripping length	8 mm

# Timer relay - ETD-SL-1T-S - 2867924

## Technical data

### Connection data

Conductor cross section solid	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section flexible	0.5 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	20 ... 14
Torque	1 Nm ... 1 Nm

### Standards and Regulations

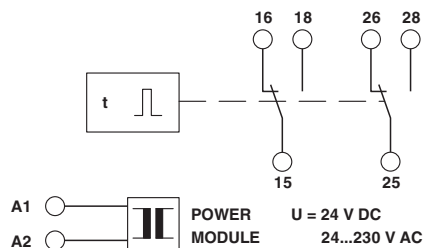
Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2
Standards/regulations	EN 50178
Rated insulation voltage	300 V
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III
Low Voltage Directive	Conformance with LV directive 2006/95/EC

### Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

## Drawings

Block diagram



## Classifications

eCl@ss

eCl@ss 10.0.1	27371605
eCl@ss 11.0	27371605
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371700

# Timer relay - ETD-SL-1T-S - 2867924

## Classifications

### eCl@ss

eCl@ss 5.1	27371700
eCl@ss 6.0	27371700
eCl@ss 7.0	27371790
eCl@ss 9.0	27371605

### ETIM

ETIM 2.0	EC001439
ETIM 3.0	EC001439
ETIM 4.0	EC001439
ETIM 6.0	EC001439
ETIM 7.0	EC001439

### UNSPSC

UNSPSC 6.01	30211920
UNSPSC 7.0901	39121519
UNSPSC 11	39121519
UNSPSC 12.01	39121519
UNSPSC 13.2	39122329
UNSPSC 18.0	39122329
UNSPSC 19.0	39122329
UNSPSC 20.0	39122329
UNSPSC 21.0	39122329

## Approvals

### Approvals

---

Approvals

UL Listed / cUL Listed / EAC / cULus Listed

---

Ex Approvals

---

### Approval details


UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 172140
-----------	--	-------------------------------------------------------------------------------------------------------------------------------------------------------	---------------

# Timer relay - ETD-SL-1T-S - 2867924

## Approvals

cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 172140
------------	-----------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------	---------------

EAC			RU C- DE.**08.B-00957
-----	-----------------------------------------------------------------------------------	--	--------------------------

cULus Listed			
--------------	-----------------------------------------------------------------------------------	--	--