



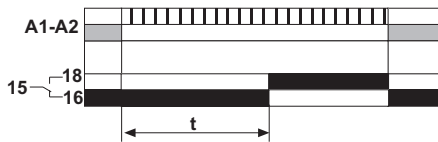
# DER230+

## overview

- ◆ multi supply voltage
- ◆ SPCO output relay
- ◆ 8 selectable time ranges (0.1sec...100h)
- ◆ LED indicators for power supply and contact
- ◆ 22.5mm DIN rail mount housing

### On delay (E)

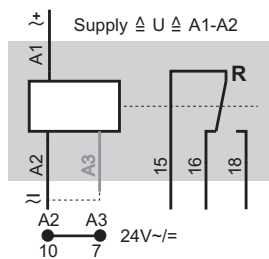
Supply voltage on  
 Supply voltage off  
 Output relay contact closed  
 Output relay contact open



### Time ranges

- 0,1s-1,0s
- 1,0s-10s
- 0,1min-1,0min
- 1,0min-10min
- 0,1h-1,0h
- 1,0h-10h
- 3h-30h
- 10h-100h

The required delay time within the range selected is set using the potentiometer on the front plate.



## specification

<b>supply voltage variation</b>	nominal voltage -20%...+10%
<b>frequency range</b>	48 - 63 Hz
<b>max. delay time</b>	100%
<b>repeat accuracy</b>	< 1% of the selected range
<b>output relay spec</b>	EN 60947-5-1
$I_o$ AC-15	115V~ 2,5A
$I_o$ AC-15	230V~ 2,5A
$I_o$ DC-13	24V= 2,5A
$I_{the}$	10A@+20°C, detached
$I_{the}$	5A@+60°C, attached
<b>expected life time</b>	SPCO
mechanical	$1 \times 10^7$ operations
electrical	$15 \times 10^4$ operations
<b>screws</b>	pozidrive 1, slot 4mm
<b>screw tightening torque</b>	0,4Nm
<b>operating conditions</b>	-20 to +60°C non condensing

## ordering information

part no	supply	output
DER230+	230V~ / 24V~=	6VA / 1W SPCO

### Gehäusetype

