DGR

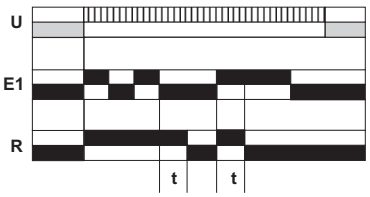
overview



- **speed control/PLC watchdog relay**
- **SPCO output max. 6A**
- **6 selectable time ranges**
- **LED indicators for power supply and output relay**
- **22.5 or 45mm DIN rail mount housing**

Function



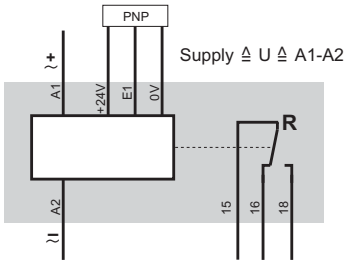


A Control relay to monitor changing impulses on a sensor
After applying the supply voltage the relay waits to see the leading edge of an input pulse.
When the pulse is detected the output relay energises. When there are no more pulses measured during time **t**, the output relay drops out.

Time ranges

0,1s-1,0s	1,0s-10s	0,1min-1,0min	1,0min-10min	0,1h-1,0h	1,0h-10h

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



specification

supply voltage variation	nominal voltage +10% / -15%
frequency range	48 - 63 Hz
max delay time	100% of the selected time range
max input frequency	10Hz or 600 Rpm
output relay specification	max. 6A 230V~
Ue/Ie AC-15	120V/5A 240V/4A
Ue/Ie DC-13	24V/4A
expected life time	DPCO SPCO
mechanical	2×10^6 resp. 1×10^7 operations
electrical	1×10^5 resp. 1×10^5 operations
screws	pozidrive 1
screw tightening torque	0,6...0,8Nm
operating conditions	-20 to +60 °C non condensing

* EN 60947-5-1 VDE 0435

ordering information

part no	supply		output	sup. galv. iso*	cULus	housing types
DGR 230Vac	230V~	2VA	SPCO	yes	-	C
DGR 24Vdc	24V=	1W	SPCO	no	-	B

* The measurement input is galvanically isolated from the power supply

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