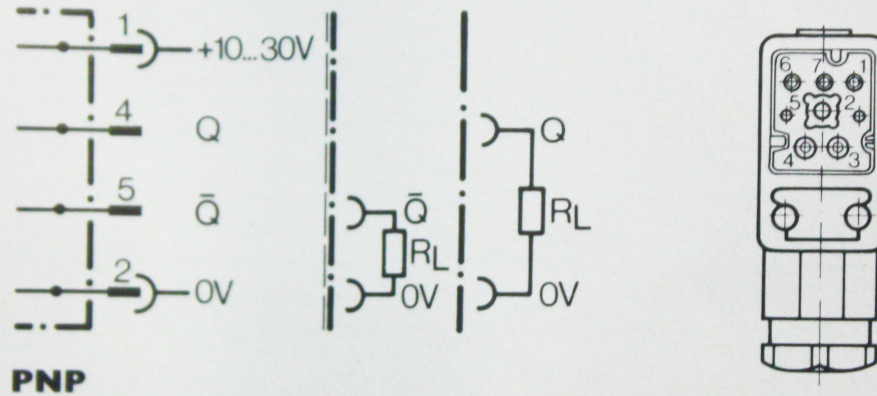


### Truth table

Switching response	Q: light switching		$\bar{Q}$ : dark switching	
Light beam	unbroken	broken	unbroken	broken
Signal strength indicator				
Switched through $R_L$	current	no current	no current	current
Output	HIGH	LOW	LOW	HIGH



**PNP**

Explanations to dimensional drawing.

- ① Alignment sight
- ② Middle of the optical axis
- ③ Mounting holes  
Ø 5.2 mm
- ④ Signal strength indicator
- ⑤ 7-pin cable connector  
(for cable diameters from 5 to 10 mm)

### Signal strength indicator function

Received light	good	marginal	none
Signal strength indicator	on	blinks	off
Device function	switches	still switches	does not switch



# Photoelectric Reflex Switch

## WL 27-F 730

Operating Range RW	
with reflective tape "Diamond Grade"	0 to 1.1 m
with reflector PL 30	0 to 2.0 m
with reflector PL 50	0 to 2.7 m
with reflector PL 80	0 to 4.0 m
Supply voltage $V_S$	10 to 30 VDC
Transistor output Q and $\bar{Q}$	
Max. output current $I_{OUT}$	200 mA
Switching frequency max. <sup>1)</sup>	1000 /s
Response time <sup>2)</sup>	$\leq 500 \mu s$
Enclosure type	IP 65
Circuit protection <sup>3)</sup>	A, B, C
Ambient operating temperature $T_A$	-25 to +55 °C

1) With a light-dark time ratio of 1:1 2) With resistive load

3) A =  $V_S$ -input reverse-polarity protected, B = Output Q and  $\bar{Q}$  short-circuit protected,

C = Interference pulse suppression