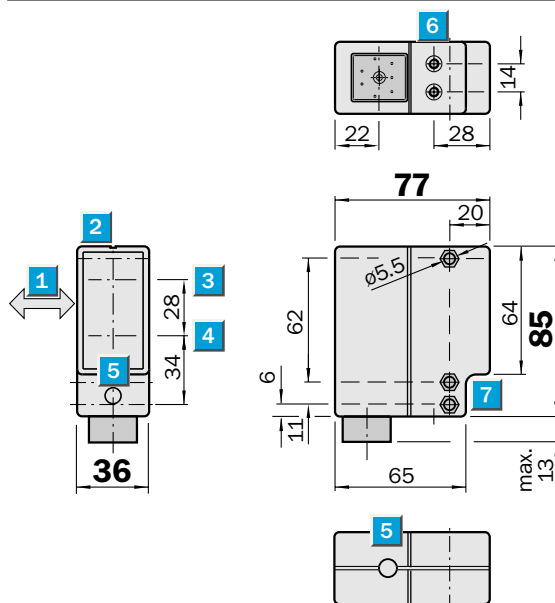


	Scanning distance 200...800 mm
Photoelectric proximity switches	

- Robust plastic housing
- Infrared light
- Selectable time delay



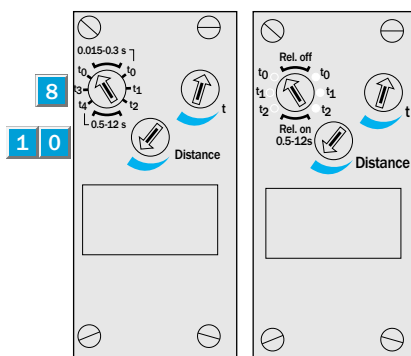
Dimensional drawing



Adjustments possible

WT 36-N 410
WT 36-P 410
WT 36-N 710
WT 36-P 710

WT 36-R 710



- 1 Standard direction of the material being scanned
- 2 Alignment sight
- 3 Centre of optical axis, receiver
- 4 Centre of optical axis, sender
- 5 LED signal strength indicator
- 6 M5 threaded mounting hole – 5.5 mm deep
- 7 Mounting holes, recesses on both sides for M5 hex nuts
- 8 Time delay selector switch with DC, time delay and light-/dark-switching selector switches with UC
- 9 Light-switching
- 10 Dark-switching
- 11 Time control
- 12 Scanning distance adjustment

Switch-selectable time delay

0.015 – 0.3 s with DC only

t_0 without time delay
 t_1 ON-delay
 t_2 OFF-delay

0.5 – 12 s with DC

t_0 without time delay
 t_3 ON-delay
 t_4 OFF-delay

0.5 – 12 s with UC

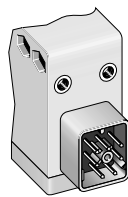
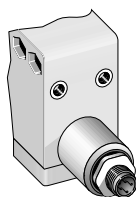
t_0 without time delay
 t_1 ON-delay
 t_2 OFF-delay

Connection types

WT 36-N 410
WT 36-P 410

WT 36-N 710
WT 36-P 710

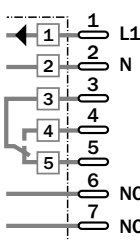
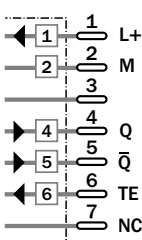
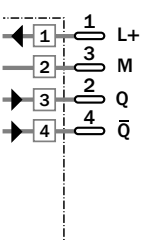
WT 36-R 710



4-pin, M 12

7-pin

7-pin

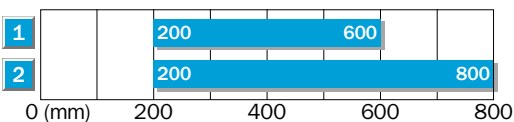


Accessories	page
Cable receptacles	496
Mounting brackets	510

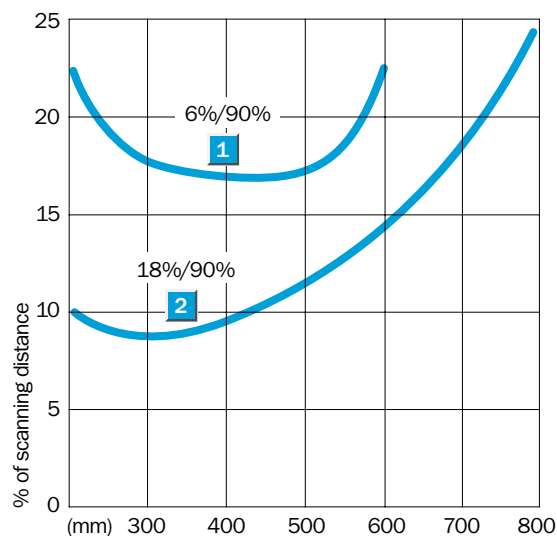
Technical data		WT 36-	N 410	P 410	N 710	P 710	R 710						
Scanning distance	200...800 mm, adjustable												
Light source¹⁾, light type	LED, infrared light												
Light spot diameter	Approx. 15 mm at 800 mm												
Supply voltage V_S	10...30 V DC ²⁾												
	24...240 V UC (+ 10 % / - 25 %)												
Ripple ³⁾	$\leq 5 V_{SS}$												
Current consumption ⁴⁾	≤ 50 mA												
Power consumption	< 2 VA												
Switching outputs	PNP, Q and $\bar{Q}$												
	NPN, Q and $\bar{Q}$												
	SPDT, isolated ⁵⁾												
Output current I_A max.	200 mA												
Max. switching voltage	AC: 250 V / DC: 120 V												
Switching current	4 A / 240 V AC or 24 V DC												
Max. switching capacity	AC: 1000 VA / DC: 100 W												
Response time ⁶⁾	2 ms												
	6 ms												
Max. switching frequency ⁷⁾	250/s												
	10/s												
Test input "TE", sender OFF	PNP: Test input to 0 V												
	NPN: Test input to V_S												
Connection types	Plug												
VDE protection class⁸⁾													
Circuit protection⁹⁾	A, B, C												
	A, C												
Enclosure rating	IP 65												
	IP 67												
Ambient temperature T_A	Operation - 40 °C...+ 55 °C												
	Operation - 25 °C...+ 55 °C												
	Storage - 25 °C...+ 75 °C												
Weight	Approx. 200 g												
Housing material	Glass-fibre-reinforced plastic												

1) Average service life 100,000 h at $T_A = + 25$ °C
 2) Limit values
 3) May not exceed or fall short of V_S tolerances
 4) Without load
 5) Provide suitable spark suppression for inductive or capacitive loads
 6) Signal transit time with resistive load
 7) With light/dark ratio 1:1
 8) Reference voltage 50 V DC, 250 V AC
 9) A = V_S connections reverse-polarity protected
 B = Output Q_N and Q_P short-circuit protected
 C = Interference pulse suppression

Scanning distance



- 1 Scanning distance on black, 6 % remission
 2 Scanning distance on grey, 18 % remission



Order information

Type	Part no.
WT 36-N 410	1 011 109
WT 36-P 410	1 011 108
WT 36-N 710	1 006 370
WT 36-P 710	1 006 047
WT 36-R 710	1 005 927