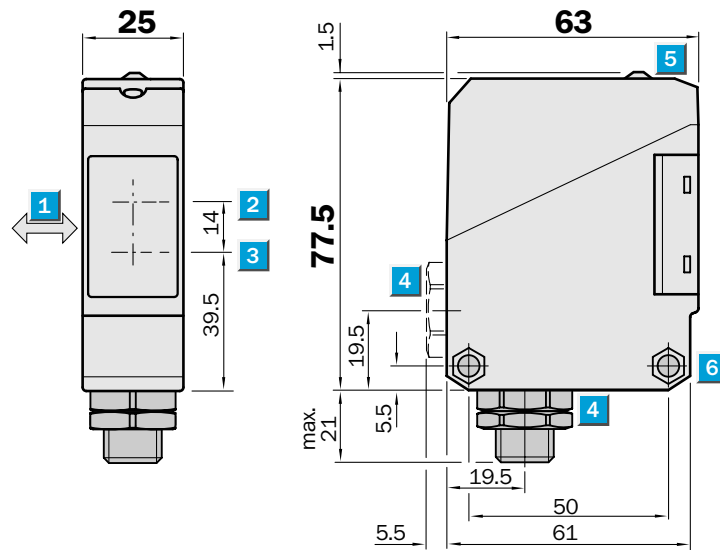


- Reliable detection of dark objects even against light backgrounds
- Scanning distance continuously adjustable
- Terminal chamber or M 12 plug, 4-pin or 5-pin
- Test input
- Pre-failure signalling output

Dimensional drawing

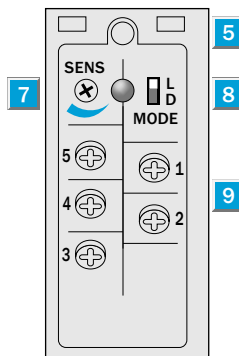


Adjustments possible

WT 260-P 260

WT 260-P 460

WT 260-P 560



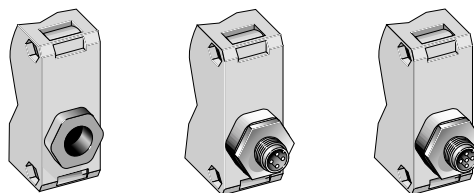
- 1 Standard direction of material being scanned
- 2 Centre of optical axis, receiver
- 3 Centre of optical axis, sender
- 4 Cable entry gland 1/2" PF thread for cable diameters from 6 to 10 mm optionally at bottom or rear; or M 12 equipment plug bottom
- 5 LED signal strength indicator, red
- 6 Through hole $\varnothing$ 5.2 mm on both sides for M 5 hex nut
- 7 Scanning distance adjustment
- 8 Light-/dark-switching (L = light-switching, D = dark-switching)
- 9 Terminals

Connection types

WT 260-P 260

WT 260-P 460

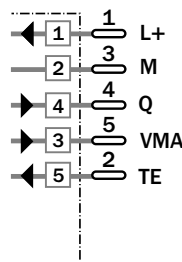
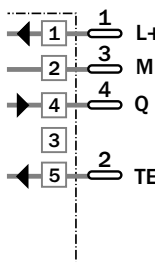
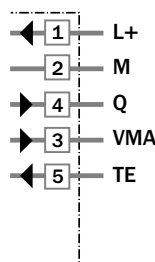
WT 260-P 560



Terminals

4-pin, M 12

5-pin, M 12



Accessories	page
Cable receptacles M 12	496
Mounting brackets*	510

* included with delivery

Technical data		WT 260-	P 260	P 460	P 560							
Scanning distance	Max.: 0...380 mm, adjustable ¹⁾											
	Min.: 75...160 mm, adjustable ¹⁾											
	Adjustable, potentiometer 270°											
Light source²⁾, light type		LED, infrared light										
Light spot diameter	Approx. 17 mm at 300 mm											
Aperture angle sender	Approx. 1.5°											
Supply voltage V_s		10...30 V DC ³⁾										
Ripple ⁴⁾	$\leq 5 V_{SS}$											
Current consumption ⁵⁾	≤ 35 mA											
Switching outputs		PNP, open collector: Q										
Output current I_A max.	100 mA											
Light receiver, switching mode	Light-/dark-switching by sliding switch											
Response time ⁶⁾	≤ 2 ms											
Max. switching frequency ⁷⁾	250/s											
Pre-failure signalling output VMA ⁸⁾	100 mA, static											
Test input "TE" sender off		PNP: TE to + V_s										
Connection types		Terminal chamber										
		Plug M 12, 4-pin										
		Plug M 12, 5-pin										
VDE protection class⁹⁾		□										
Circuit protection¹⁰⁾		A, B, C, D										
Enclosure rating		IP 66										
Ambient temperature T_A		Operation - 25 °C...+ 55 °C										
		Storage - 40 °C...+ 70 °C										
Weight		Approx. 120 g										
Material		Housing: ABS; optics: PC										

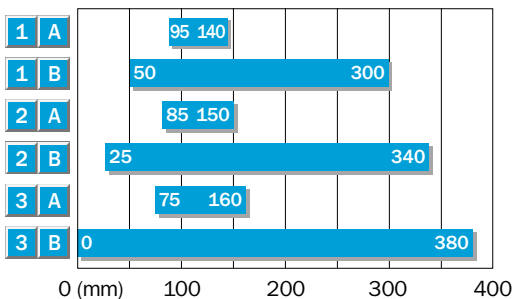
- 1) Object with 90 % remission (based on standard white DIN 5033)
 2) Average service life 100,000 h at $T_A = +25$ °C
 3) Limit values
 4) Must be within V_s tolerances

- 5) Without load
 6) With resistive load
 7) With light/dark ratio 1:1
 8) Operating reserve < 50 %
 9) Reference voltage 50 V DC

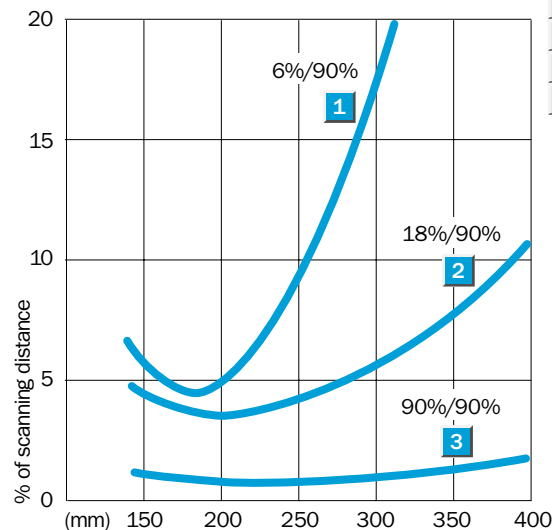
- 10) A = V_s connections reverse-polarity protected
 B = Inputs/outputs reverse-polarity protected
 C = Interference suppression
 D = Outputs overcurrent and short-circuit protected

- 11) Black = 6 % remission
 Grey = 18 % remission
 White = 90 % remission

Scanning distance



- 1 Scanning range on black¹¹⁾/background white
 2 Scanning range on grey¹¹⁾/background white
 3 Scanning range on white¹¹⁾/background white
 A Scanning distance control set to MIN
 B Scanning distance control set to MAX



Order information

Type	Part no.
WT 260-P 260	6 009 471
WT 260-P 460	1 011 540
WT 260-P 560	1 011 541