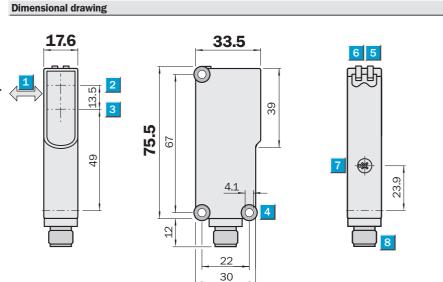


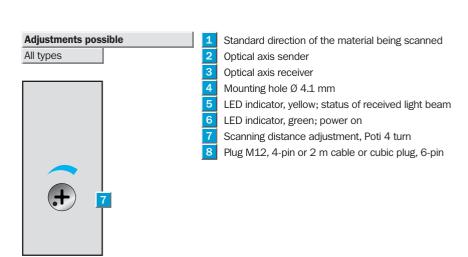
- Precise background suppression; suitable for high demanding applications
- Scanning range adjustable via potentiometer
- Insensitive to external light sources (HF lamps)
- Operation reliability with equipment facing each other
- Permissible ambient operating temperature –40 °C ... +60 °C

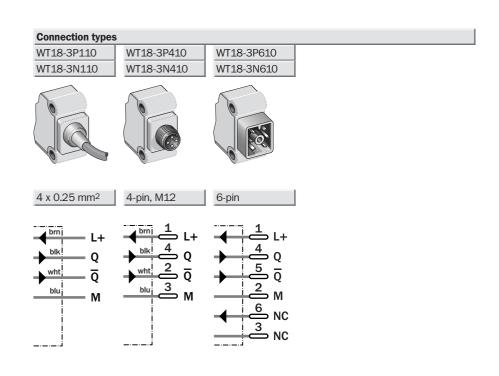




See chapter Accessories
Connectors
Mounting systems







SENSICK CATALOGUE 05-08-2006

Technical data	WT18-3	P110	P410	P610	N110	N410	N610			
Scanning distance, adjustable 1)	50 700 mm, 90 % remission									
Visible range 1)	10 700 mm									
Adjustment	Poti, 4 turn									
Light source <sup>2)</sup> , light type	LED, infrared light									
Light spot diameter	20 mm at 400 mm									
Supply voltage V <sub>S</sub>	10 30 V DC <sup>3)</sup>									
Residual ripple <sup>4)</sup>	< 5 V <sub>SS</sub>									
Current consumption 5)	< 55 mA									
Output current I <sub>A</sub> max.	< 100 mA									
Switching outputs	PNP, antivalent									
	NPN, antivalent									
Response time <sup>6)</sup>	< 700 μs									
Switching frequency max. 7)	700/s									
Connection types	Cable <sup>8)</sup> , 2 m, 4 wire									
	M12 plug, 4-pin									
	Cubic plug, 6-pin									
VDE protection class cable <sup>9)</sup>										
Circuit protection <sup>10)</sup>	A, B, C									
Enclosure rating	IP 67									
	IP 65									
Ambient temperature	Operation -40 °C +60 °C									
	Storage −40 °C +75 °C									
Weight	With cable, 2 m, approx. 120 g									
	With M12 plug, approx. 40 g									
	With cubic plug, approx. 40 g									
Housing material	ABS									
1) Object with 90 % remission (according	3) Limit values; Operation in short-circuit	6) Signa	al transit	time with	resistive	load	10) A =	V <sub>S</sub> connecti	on reverse-p	olarit

7)

8)

With light/dark ratio 1:1

Do not bend below 0 °C

Reference voltage 50 V DC

protected

B = Outputs short-circuit protected

C = Interference pulse suppression

## Adjustment via Poti

 $T_A = +25$  °C

2)

to standard white DIN 5033)

Average service life 100,000 h at

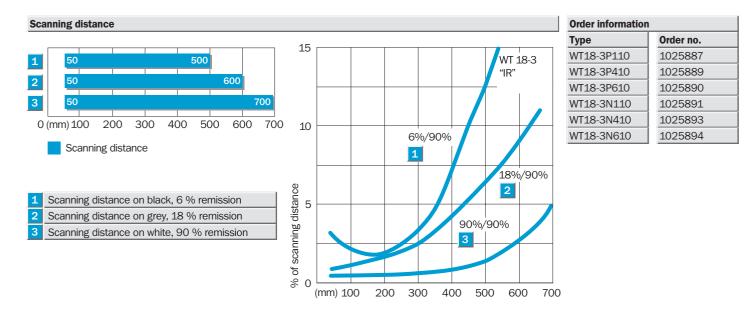
- 1. Position the object in the path of the beam.
- 2. By rotating the potentiometer to the right until the yellow LED illuminates continuously = object is positively detected.

protected network max. 8 A

4) Must be within V<sub>S</sub> tolerances

5) Without load

3. If necessary, fine adjustments to the scanning distance can be made to suit the conditions of the application: minimal rotation of the potentiometer to the right = scanning distance will be increased, minimal rotation of the potentiometer to the left = scanning distance will be decreased.



05-08-2006 SENSICK CATALOGUE 747