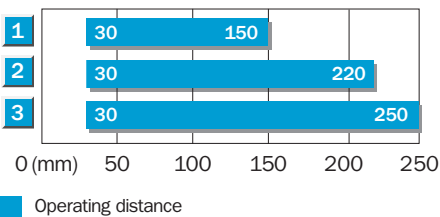


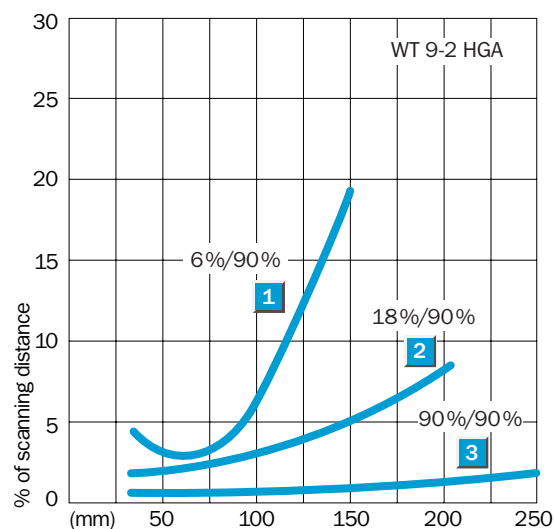
Technical data		WT 9-2	P130	P430	N130	N430	P330	P630				
Scanning distance adjustable ¹⁾	30 ... 250 mm											
Scanning range	5 ... 250 mm											
Supply voltage V_s ²⁾	DC 10 ... 30 V											
Ripple ³⁾	$\leq 5 V_{pp}$											
Current consumption ⁴⁾	≤ 40 mA											
Light source	LED, visible red light ⁵⁾											
Light spot diameter	15 x 15 mm at a distance of 200 mm											
Switching outputs Q and $\bar{Q}$	PNP											
	NPN											
Signal voltage HIGH	$V_s - 2.9$ V											
	V_s											
Signal voltage LOW ⁶⁾	Approx. 0 V											
	≤ 1.5 V											
Output current I_A max.	≤ 100 mA											
Response time ⁷⁾	≤ 333 μ s											
Switching frequency max. ⁸⁾	1500/s											
Connection technology	Connection cable, 2 m											
	Cable, 120 mm, with plug M 12, 4 pin											
	Plug M 12, 4 pin											
	Plug M 8, 4 pin											
VDE protection class M 12 ⁹⁾	☐											
VDE protection class M 8 ⁹⁾	III											
Protection type	IP 67											
Protection circuits ¹⁰⁾	A, B, C											
Ambient temperature ¹¹⁾	Operation $-40 \dots +60$ °C											
	Storage $-40 \dots +75$ °C											
Weight												
with connection cable 2 m/120 mm	Approx. 80 g											
with equipment plug M 12/M 8, 4 pin	Approx. 20 g											

¹⁾ Object with 90% reflectance (referred to standard white DIN 5033)
²⁾ Limit values
³⁾ Must be within V_s tolerances
⁴⁾ Without load
⁵⁾ Average service life at room temperature 100,000 h
⁶⁾ At $T_U = +25$ °C and 100 mA output current
⁷⁾ With resistive load
⁸⁾ With light/dark ratio 1:1
⁹⁾ Withstand voltage 50 V
¹⁰⁾ A = supply connections reverse polarity protected
B = outputs short-circuit protected
C = interference suppression
¹¹⁾ Do not distort cable below 0 °C

Scanning distance



- 1 Scanning range on black ¹⁾, white background, Black = 6% reflectance
- 2 Scanning range on gray, white background, Gray = 18% reflectance
- 3 Scanning range on white, white background, White = 90% reflectance



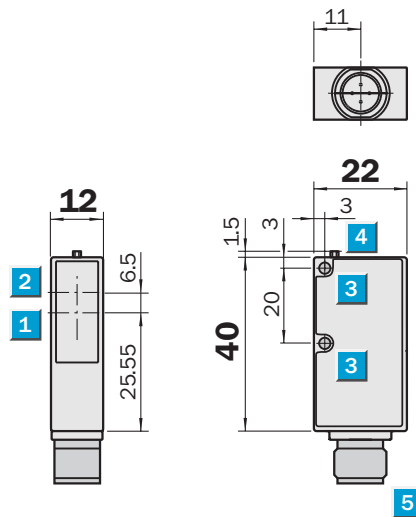
Ordering information

Type	Order no.
WT 9-2P130	1 018 293
WT 9-2P430	1 018 295
WT 9-2N130	1 018 294
WT 9-2N430	1 018 296
WT 9-2P330	1 019 026
WT 9-2P630	1 019 272

	Scanning distance 18 ... 450 mm
Photoelectric proximity switch	

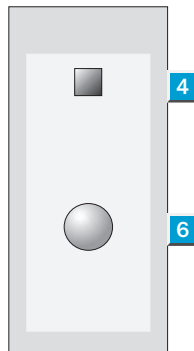
- Red-light emitter LED as alignment aid
- Scanning distance adjustable
- Switching frequency 800/s
- Outputs short-circuit protected
- Teach-In

Dimension illustration



Setting options

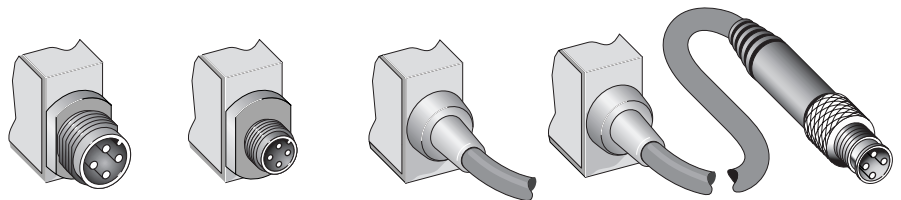
WT 9-2P151	WT 9-2P351
WT 9-2P451	WT 9-2P651
WT 9-2N151	
WT 9-2N451	



- 1 Axis of the receiver optics
- 2 Axis of the sender optics
- 3 Mounting hole Ø 3.2 mm
- 4 LED signal strength indicator
- 5 Plug M 12 or M 8, 4 pin, 2 m connection cable or 120 mm cable with plug M 12, 4 pin
- 6 Scanning distance adjuster, teachable

Connection type

WT 9-2P451	WT 9-2P351	WT 9-2P151	WT 9-2P651
WT 9-2N451		WT 9-2N151	



Accessories
Mounting bracket
Cable receptacles
Adapter plate

4 pin, M 12	4 pin, M 8	4 x 0,14 mm²	4 pin, M 12 with 120 mm cable

