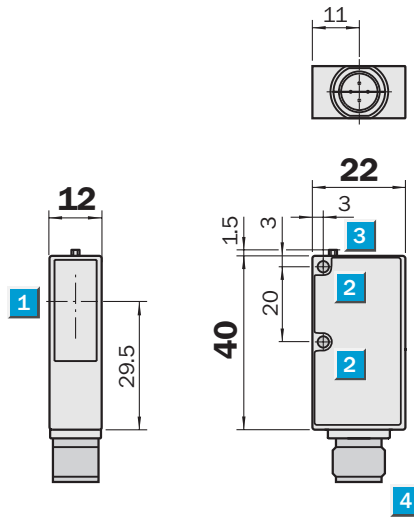


	Scanning range 0 ... 4 m
Photoelectric reflex switch	

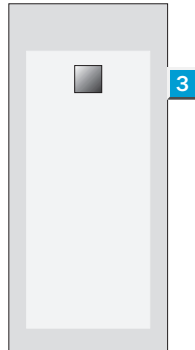
- Red-light emitter LED as alignment aid
- Switching frequency 800/s
- Outputs short-circuit protected

Dimension illustration



Without setting options

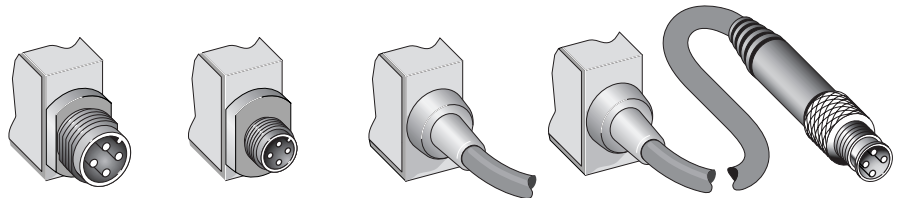
WL 9-2P130	WT 9-2P330
WL 9-2P430	WT 9-2P630
WL 9-2N130	
WL 9-2N430	



- 1 Middle of optic axis
- 2 Mounting hole Ø 3.2 mm
- 3 LED signal strength indicator
- 4 Plug M 12 or M 8, 4 pin, 2 m connection cable or 120 mm cable with plug M 12, 4 pin

Connection type

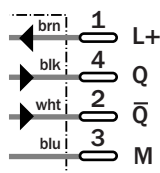
WT 9-2P430	WT 9-2P330	WT 9-2P130	WT 9-2P630
WT 9-2N430		WT 9-2N130	



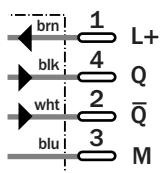
Accessories

Reflectors
Mounting bracket
Cable receptacles
Adapter plate

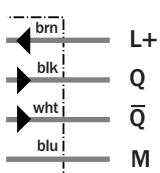
4 pin, M 12



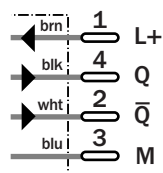
4 pin, M 8



4 x 0,14 mm²



4 pin, M 12 with 120 mm cable



Technical data		WL 9-2	P130	P430	N130	N430	P330	P630				
Scanning range typ. max./on reflector	4 m/PL 80 A											
Supply voltage V_s ¹⁾	DC 10 ... 30 V											
Ripple ²⁾	$\leq 5 V_{pp}$											
Current consumption ³⁾	$\leq 30 \text{ mA}$											
Light source	LED, visible red light ⁴⁾											
Angle of dispersion	2.5°											
Light spot diameter	120 x 120 mm at a distance of 3 m											
Switching outputs Q and $\bar{Q}$	PNP											
	NPN											
Signal voltage HIGH	$V_s - 2.9 \text{ V}$											
	V_s											
Signal voltage LOW ⁵⁾	Approx. 0 V											
	$\leq 2.9 \text{ V}$											
Output current I_A max.	$\leq 100 \text{ mA}$											
Response time ⁶⁾	$\leq 625 \mu\text{s}$											
Max. switching frequency ⁷⁾	800/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 ⁸⁾	☐											
VDE protection class M 8 ⁸⁾	III											
Protection type	IP 67											
Protection circuits ⁹⁾	A, B, C											
Ambient temperature ¹⁰⁾	Operation $-40 \dots +60 \text{ }^\circ\text{C}$											
	Storage $-40 \dots +75 \text{ }^\circ\text{C}$											
Weight												
with connection cable 2 m/120 mm	Approx. 80 g											
with equipment plug M 12/M 8, 4 pin	Approx. 20 g											

¹⁾ Limit values
²⁾ Must be within V_s tolerances
³⁾ Without load
⁴⁾ Average service life at room temperature 100,000 h
⁵⁾ At $T_U = +25 \text{ }^\circ\text{C}$ and 100 mA output current
⁶⁾ With resistive load
⁷⁾ With light/dark ratio 1:1
⁸⁾ Withstand voltage 50 V
⁹⁾ A = supply connections reverse polarity protected
B = outputs short-circuit protected
C = interference suppression
¹⁰⁾ Do not distort cable below $0 \text{ }^\circ\text{C}$

