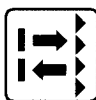




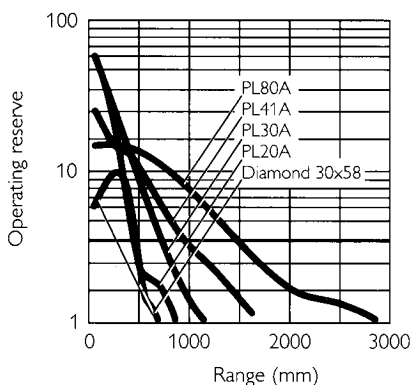
Range

2.8 m

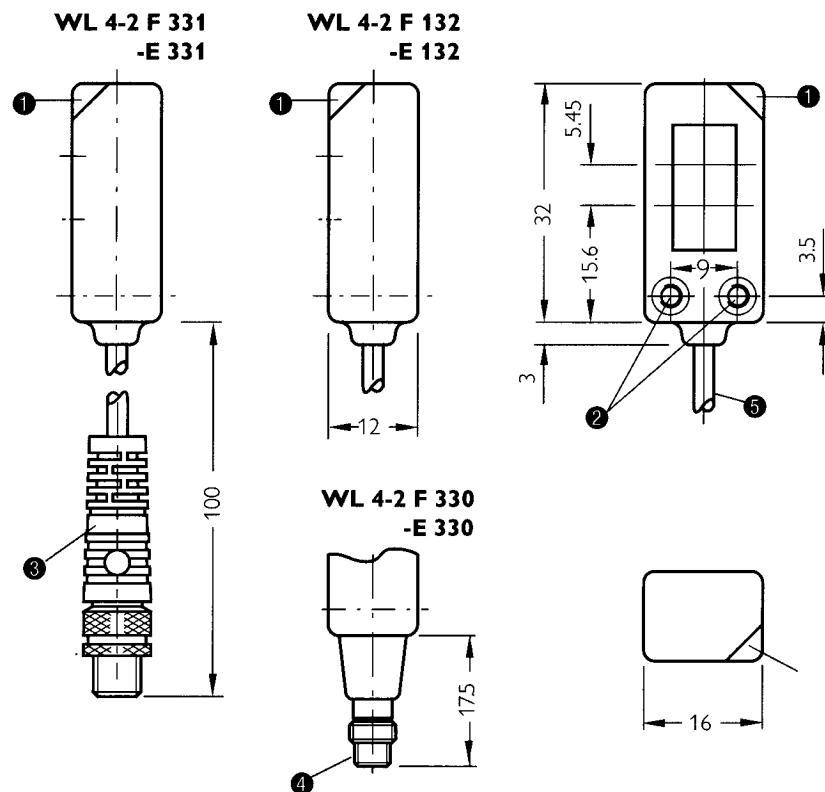


Features:

- Red light sender LED to assist with setting-up
- Polarisation filter which enables recognition of objects with glossy surfaces
- Adjustment aided by LED signal strength indicator
- Transistor outputs, PNP or NPN, short-circuit protected
- No sensitivity to ambient light sources (HF lights, flashing alarm lights)
- Reliable operation with mutual equipment assembly
- Permitted ambient operating temperature from -40°C to $+60^{\circ}\text{C}$
- 2 m connection cable or M8 equipment plug or M8 cable plug
- Glass-fibre reinforced plastic housing with metal reinforced fixing holes
- **CE**

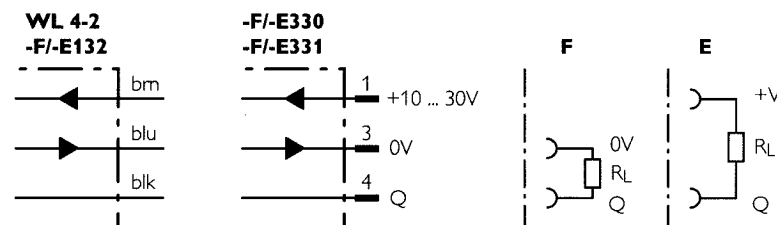


WL 4-2



- ① LED signal strength indicator
- ② Fixing hole M3
- ③ Connection plug M8; 3-pin
- ④ Equipment plug M8; 3-pin
- ⑤ Connection cable

Connection Diagram



brn	blu	blk
brown	blue	black
braun	blau	schwarz

Photoelectric reflex switch

WL 4-2

Typ	WL 4	-2F 132	-2F 330	-2F 331	-2E 132	-2E 330	-2E 331
Order No.		1 015 768	1 015 764	1 015 760	1 015 770	1 015 766	1 015 762
Connection type		Cable	Plug M8	Cable plug	Cable	Plug M8	Cable plug
Cable box order no. see accessories							
Mounting bracket order no. under preparation							
Range RW max. model/ upon reflector		2.8 m					
Recommended range on reflector PL 80 A		1.7 m					
Recommended range on reflector PL 50 A		1.1 m					
Recommended range on reflector PL 40 A		0.8 m					
Recommended range on reflector PL 30 A		0.4 m					
Recommended range on reflector PL 20 A		0.4 m					
Recommended range on Diamond Grade Reflective Tape		0.4 m					
Supply voltage V_s		DC 10 ... 30 V (limit value)					
Current consumption (without loading)		≤ 20 mA					
Ripple ¹⁾		≤ 5 V _{SS}					
Light source		LED, red pulsating model, service life 100 000 h ²⁾					
Light spot diameter ³⁾		230 mm at 1500 mm distance					
Switching outputs		PNP			NPN		
Switching mode		Dark switching					
Signal voltage HIGH/max. switching output		V _s – < 2.5 V			V _s		
Signal voltage LOW ⁴⁾ /max. switching current		0 _v			< 1,5 V		
Output current I _A max/max switching power		100 mA					
Switching frequency max ⁵⁾		1000/s					
VDE Protection class		III					
Protection type		IP 67					
Protection circuits ⁶⁾		A, B, C					
Ambient operating temperature T _A ⁷⁾		– 40 ... + 60 °C					
Storage temperature T _S		– 40 ... + 75 °C					
Weight		approx. 20 g					
Comments							
M8 plug = 3 pinned							
Cable plug = M8, 3 pinned							

1) Must not exceed V_s tolerances
2) With $T_A = + 25$ °C
3) Core light diameter
4) With $T_A = + 25$ °C and 100 mA output current
5) With light/dark ratio 1:1

6) A = V_s connection protected against reverse polarity
B = Output Q short-circuit protected
C = Interference pulse suppression
7) Do not distort cable below 0 °C

Further models on request