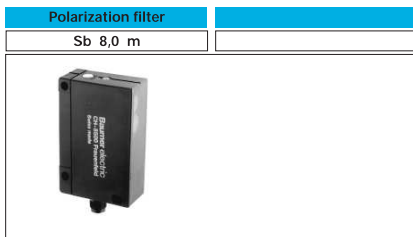


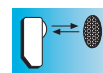
Retro-reflective sensors

Series 26



	cable	connector	
PNP	light operate dark operate light/dark operate		
NPN	light operate dark operate light/dark operate	FDPK 26P5103/S14 FDPK 26N5103/S14	
Technical data			
nominal range Sn	9.0 m		
actual range Sa	8.0 m		
characteristics	excess gain curve		
output indicator	yellow LED		
alignment aid / soiled lens indicator	flashing LED		
light source / wave length	pulsed red LED / 660 nm		
voltage supply range	10 - 30 VDC		
max. supply current average value / peak value	35 mA / 45 mA		
max. switching current	200 mA		
voltage drop	≤ 1.8 VDC		
response time / release time	≤ 1 ms / ≤ 1 ms		
time delay Ton / Toff	0.01 - 10 sec / 0.01 - 10 sec		
sensitivity adjustment	270° pot.		
short circuit protection	yes		
reverse polarity protection	yes		
temperature range	-25 ... +65 °C		
housing material	Acrylnitril / Styrol / Acrylester (ASA)		
protection class	IP 67		

AC/DC	without time delay	FPDK 26R7103			
technical data					
voltage supply range		20 - 264 V AC/DC			
supply current		≤ 50 mA			
switching output		relay contact (SPDT)			
max. switching voltage		250 VAC / 100 VDC			
max. switching current		3 A AC/DC			
max. switching power		90 W / 720 VA			
response time / release time		≤ 25 ms / ≤ 25 ms			
time delay Ton / Toff		0.05 - 10 sec / 0.05 - 10 sec			



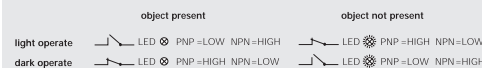
Series 26

- Polarization filter to detect shiny objects
- Alignment aid / soiled lens indicator (flashing LED)
- Sensitivity adjustable
- Visible red light

connection diagrams



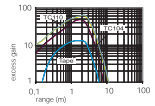
output states



reflectors and tape

part number	reflector	actual range S _B
TC 104	ø 40 mm	6 m
TC 110	ø 84 mm	8 m
107182	tape	4,5 m

excess gain curve



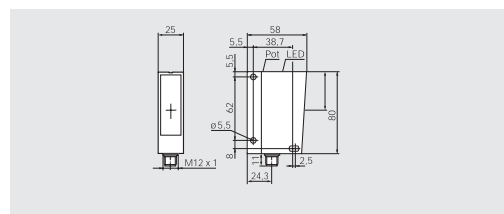
connectors

ES 14	
ES 24	LED for PNP and NPN
ES 33AP2	2 m PUR
ES 34AP2	2 m PUR

accessories

mounting bracket	112477
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for details see accessories section



emitter axis
* 38 mm