

FS/FE 88-R

Photoelectric through-beam sensor with relay output



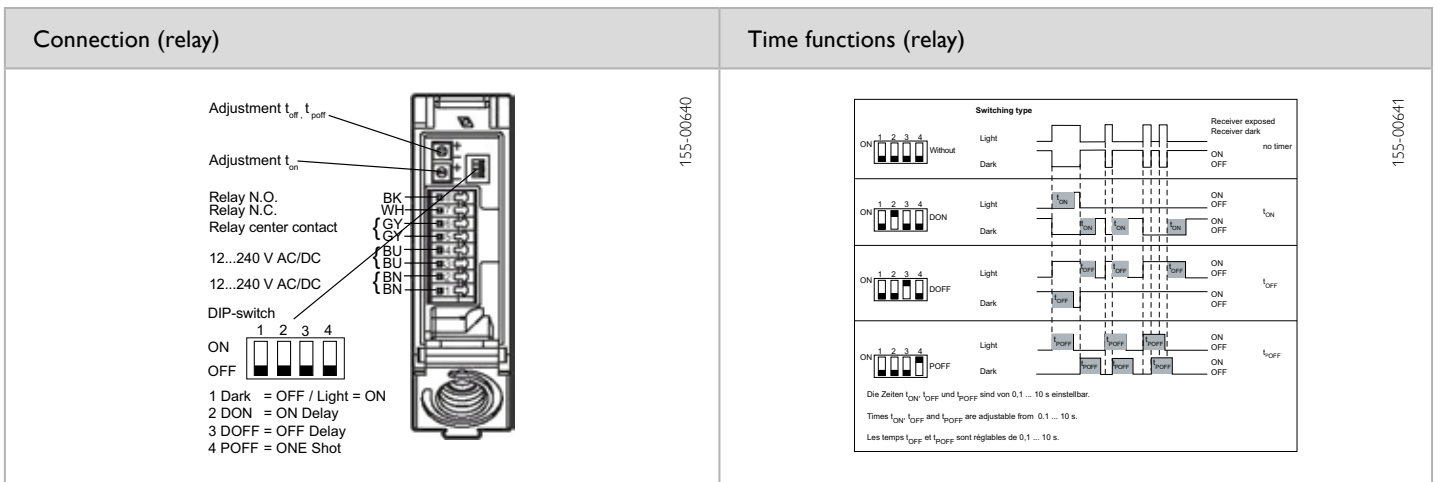
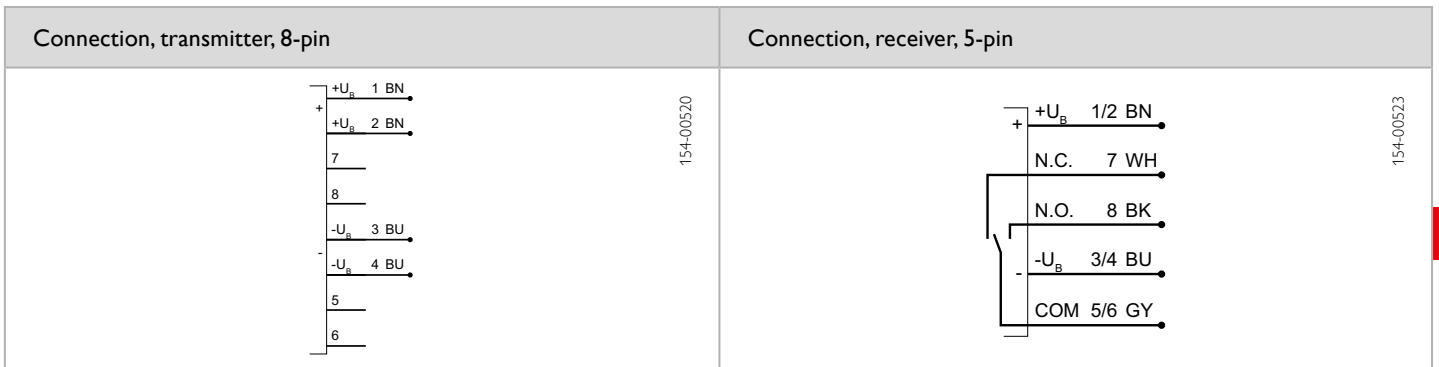
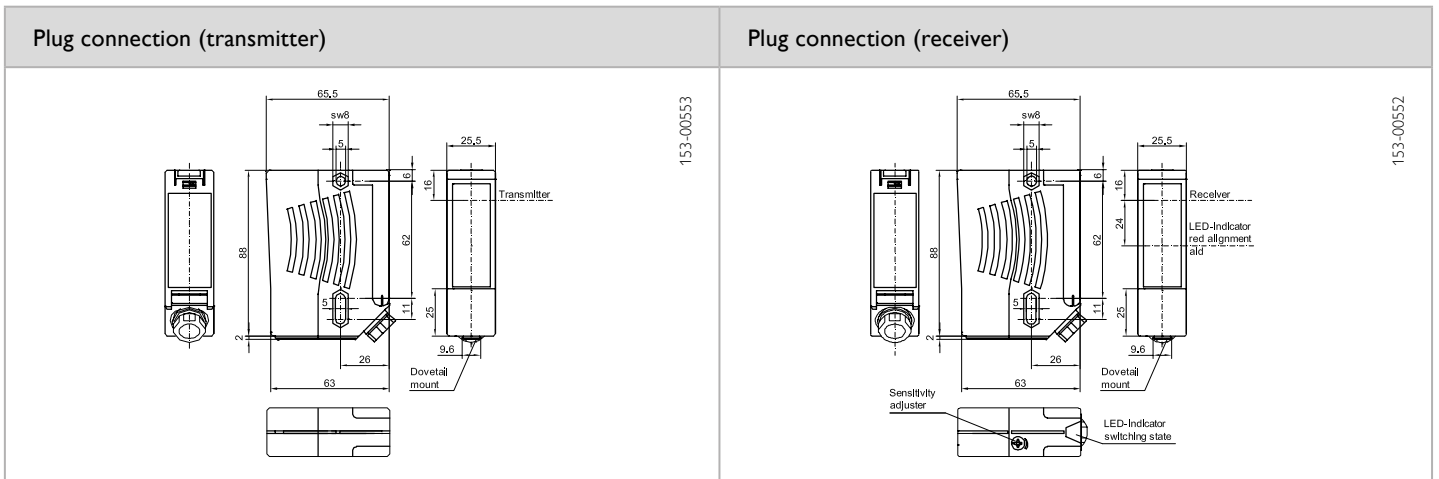
PRODUCT HIGHLIGHTS

- Long operating range of 65 m
- Simple alignment thanks to easily visible light spot
- Adjustable time function
- N.O./N.C. switchable

Optical data		Functions	
Operating range	0 ... 65 m	Indicator LED, yellow	Switching output indicator
Type of light	LED, red, 660 nm	Sensitivity adjustment (receiver)	Via potentiometer
Light spot size ¹	Ø 1.3 m	Adjustment possibilities	Time and output function (N.O./N.C.) via operating elements in clamping space
		Default setting	Max. range
Electrical data		Mechanical data	
Operating voltage, ~U _B	12 ... 240V AC / DC ²	Dimensions	88 x 65.5 x 25.8 mm
Power consumption	≤ 3.5 VA	Enclosure rating	IP 67 ⁴
Protection Class	2 ³	Material, housing	ABS
Power On Delay	≤ 300 ms	Material, front screen	PMMA
Switching output, Q	Relay	Type of connection	See selection table
Output function	Change-over contact (N.O./N.C.)	Ambient temperature: operation	-40 ... +60 °C
Switching frequency, f (ti/tp 1:1)	≤ 25 Hz	Ambient temperature: storage	-40 ... +75 °C
		Weight (clamping space device) ⁵	200 g
		Vibration and impact resistance	EN 60947-5-2

¹ At range of 65 m ² Max. 10 % ripple, within U_B ³ With closed clamping space ⁴ With connected IP 67 plug ⁵ Sensor pair

Operating range	Switching output	Type of connection	Part number	Article number
0 ... 65 m	Relay	Clamping space, 8 spring clamp terminals, cable gland, M16x1.5	FE 88-R-RAT-PM	822-21009
0 ... 65 m	–	Clamping space, 8 spring clamp terminals, cable gland, M16x1.5	FS 88-R-PM	822-11003



Accessories	
Connection cables	From Page A-38
Brackets	From Page A-4