



# R55F

## Glass or Plastic Fiber Optic Sensors

Delivers outstanding color contrast sensitivity

- Features innovative TEACH function with two options for setting the sensing threshold
- Reliably detects 16 levels of grayscale at up to 10,000 actuations per second
- Available in two fiber types: economical plastic for repeated flexing and glass for harsh conditions
- Easily mounts in confined areas, either flat or to 35 mm DIN rail
- Provides bipolar (NPN/PNP) outputs with delay settings of 0, 20 and 40 milliseconds
- Clearly displays relative received signal strength with 10-element indicator bargraph

### R55F Fiber Optic, 10-30 V DC



Sensing Mode	Range	Connection	Output Type	Models	
				Glass	Plastic
 GLASS FIBER	Range varies by sensing mode and fiber optics used	2 m	Bipolar NPN/PNP	R55F	—
		5-pin Euro QD		R55FQ	—
		2 m		R55FV	R55FP
		5-pin Euro QD		R55FVQ	R55FPQ
		2 m		R55FVG	R55FPG
		5-pin Euro QD		R55FVGQ	R55FPGQ
		2 m		R55FVB	R55FPB
		5-pin Euro QD		R55FVBQ	R55FPBQ
		2 m		R55FVW	R55FPW
		5-pin Euro QD		R55FVWQ	R55FPWQ

**Connection options:** A model with a QD requires a mating cordset (see page 273).  
 For 9 m cable, add suffix **W/30** to the 2 m model number (example, **R55F W/30**).

