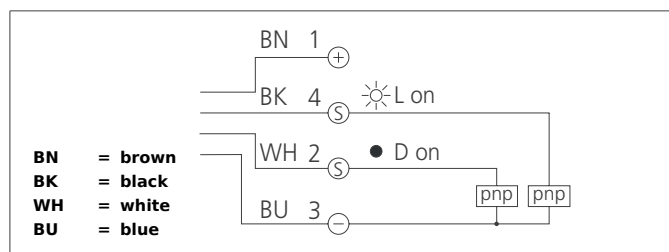
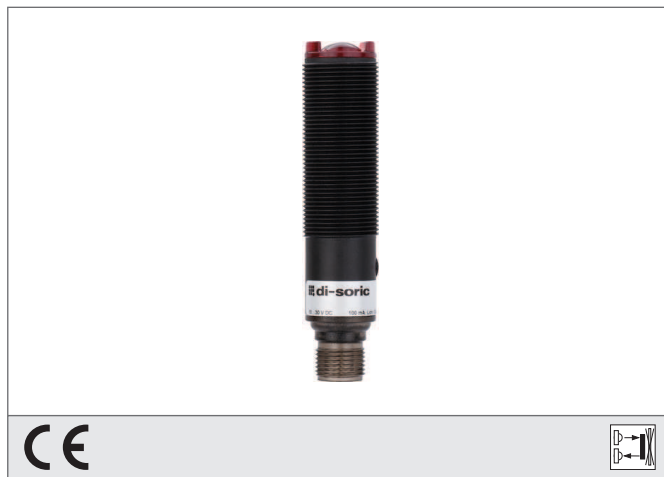


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Diffuse Sensor with Background Suppression

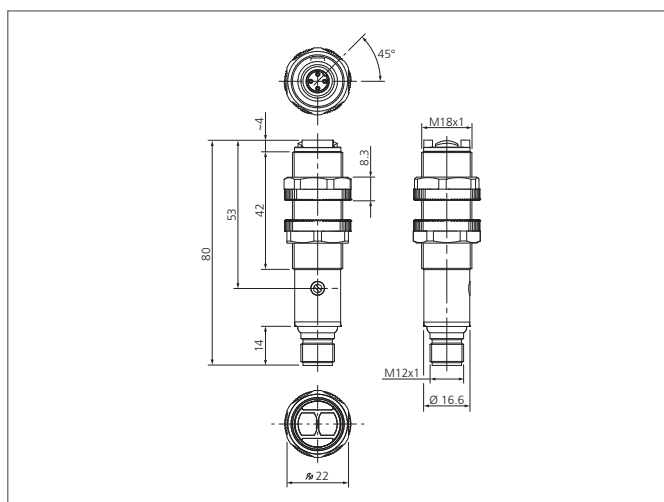
- Compact design
- Red light
- Sensitivity adjustable
- High resolution, operating frequency, functional reserve
- High scanning range
- Antivalent output



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.

These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Operating principle		Diffuse reflective sensor
Evaluation		digital
Size		M18 x 1 (thread)
Design		screw
Emitted light		Red, 660 nm, clocked
Standardized measuring plate		100 x 100 mm, white
Service voltage		10 ... 30 V DC
Internal power consumption		< 25 mA
background suppression		yes
Operating distance		30 ... 130 mm
Sensitivity adjustment		potentiometer
Switching output		pnp, 100 mA, exclusive OR
Switching hysteresis		< 10 %
Voltage drop		< 2,0 V
Switching frequency		1.000 Hz
Response-/release time		< 0,5 ms / < 0,5 ms
Ambient temperature		-25 ... +70 °C
Temperature drift		0.13 mm/K (0.04 mm/K for 60 ... 110 mm)
Ambient light immunity		5 kLx, Halogen light, 10 kLx, Sunlight
Insulation voltage endurance		500 V
Protection class		IP 67
Protection degree		III, operation on protective low voltage
Casing material		plastics (PBT)

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Diffuse Sensor with Background Suppression



TECHNICAL INFORMATION (typ.)	
Material	polymethyl methacrylate (Window)
Connection	Connector, M12, 4-poled