

Opto Proximity Switches

SIMATIC PXO200

M18 form

Overview

Cylindrical metal enclosure, IP67,
connection using cable or M12 connector

Rated operating voltage 24 V DC

Diffuse sensor with background suppression

Electronics output pnp or npn

- Sensing range 1 to 12 cm (adjustable using potentiometer)

Technical specifications

Operating mode

Diffuse sensor with background suppression



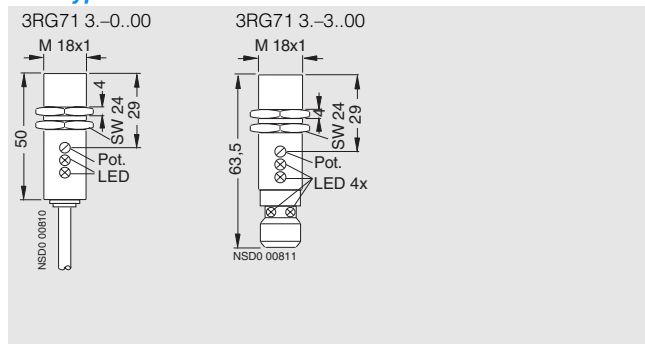
Sensing range	cm	1 to 12 (adjustable)
Standard target	mm	50 × 50 (white)
Operating voltage range (DC)	V	10 ... 36 (max. 20 % residual ripple)
No-load current I_0 (typ.)	mA	25
Rated operational current I_e	mA	200
Switching frequency	Hz	500
Switching time	ms	1
Wavelength (illuminant)	nm	660 (red)
Indicators		
• Switching status		Yellow LED
• Surplus light		Green LED
Enclosure material		Brass, nickel-plated
Degree of protection		IP67
Ambient temperature	°C	-25 ... +55
Temperature coefficient	%/K	0.3
Type		3RG71 34-...00

Selection and Ordering data

	Operating mode	Sensing range	Illuminant	Wiring	Switching output	Ckt. diag. No.	Order No.
	Diffuse sensor with background suppression	1 ... 12 (adjustable via potentiometer)	660 (red)	2 m cable, PUR, 3 × 0.34 mm ²	pnp, light-ON	12	3RG71 34-0AB00
					pnp, dark-ON	13	3RG71 34-0AA00
					npn, light-ON	12	3RG71 34-0GB00
					npn, dark-ON	13	3RG71 34-0GA00
				M12 plug, 4-pole, type F	pnp, light-ON	12	3RG71 34-3AB00
					pnp, dark-ON	13	3RG71 34-3AA00
					npn, light-ON	12	3RG71 34-3GB00
					npn, dark-ON	13	3RG71 34-3GA00

Dimensions

M18 type



M18S type

