

SIMATIC PXC capacitive proximity switch

SIMATIC PXC200

10 ... 65 V DC

Technical specifications

Number of wires	3	3	4
Design	M18	Cubic 20 mm × 32 mm	M30
Installation in metal	Flush	Flush	Flush
Rated operating distance s_n	1) 5 mm	5 mm	10 mm
Effective operating distance s_r	2) Adjustable	Fixed comparison	Adjustable
Enclosure material	Molded plastic	Metal	Metal with molded-plastic head
Operational voltage (DC)	V	10 ... 30	10 ... 65
Rated operational current I_e	mA	200	200
Displays			
• Operating distance	Red LED	Yellow LED	Red LED
• Operational voltage	–	Green LED	–
Degree of protection	IP67	IP67	IP67
Type	3RG16 13-0AB00	3RG16 73-0AG00 3RG16 73-7AG00	3RG16 14-0AC00

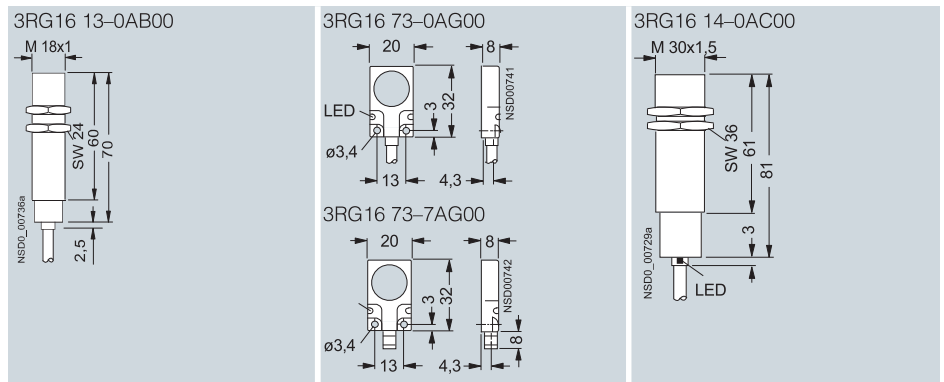
1) For operation with grounded metal.

2) With an alignment $s_r > s_n$, the hysteresis can increase significantly.

Selection and Ordering data

Switching output	Circuit diagram number	Connector type	Order No.	Order No.	Order No.
With LiYY cable, 2 m			3 × 0.5 mm ²	3 × 0.25 mm ²	4 × 0.34 mm ²
NO contact, pnp	1	▶	3RG16 13-0AB00	▶	3RG16 73-0AG00
NO contact and NC contact, pnp (antivalent)	3		–	▶	3RG16 14-0AC00
With connector, Ø 8 mm					
NO contact, pnp	2	A, C	–	▶	3RG16 73-7AG00
▶ Preferred type, available from stock.					

Dimensions



Characteristic curves

