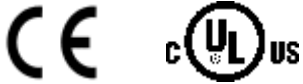
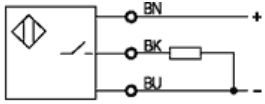
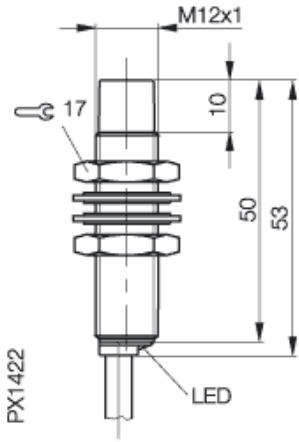


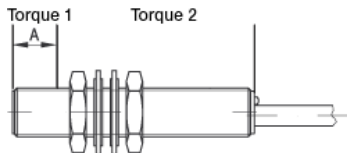
cyl. M12  
 Sn = 8 mm  
 DC 3-Wire  
 unshielded



Utilization categories DC 13

Notes  
 When overload is removed, sensor resumed function

■ **Tightening torque:**



Torque 1	Nm	12
Torque 2	Nm	20
A	mm	18

If only torque1 is indicated,  
 this applies to entire thread

If not differently indicated,  
 all values by IEC 60947-5-2 (DIN EN60947-5-2)  
 Specifications subject to change

Balluff GmbH  
 Postfach 1160  
 73761 Neuhausen  
 Telefon (07158) 173-0  
 Telefax (07158) 5010

**Common Data**

Mounting		unshielded
Rated operating distance Sn	mm	8,0
Assured operating distance Sa	mm	0...6,5
Repeatability	%	<= 5
Hysteresis	%	<= 15
Function indication		yes
Ambient temperature range	°C	-25...+70
Polution Degree		3
IEC-Code		I2A12AP1
Time delay before availability	ms	<= 20

**Mechanical Data**

Housing size	mm	cyl. M12
Measurements BxHxT or DxT	mm	M12x1 x 53
Housing material		stainless steel
Material of sensing face		PBT
Degree of protection		IP68 acc. BWN Pr 20
Connection		Cable
Cable type		LifY-Y-11Y-O

**Electrical Data**

Current type		DC
Wiring		3-Wire
switching function		normally-open
Output signal		PNP
Rated operational voltage	V	24 DC
Rated operational current	mA	200
Supply voltage	V	10...30 DC
Ripple	%	<= 10
Rated supply frequency	Hz	1500
No-load supply current	mA	<= 11 / <= 7
Off-state current	µA	<= 10
Voltage drop	V	<= 2.0/-
Short circuit protection		yes
Protected against polarity reversal		yes

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