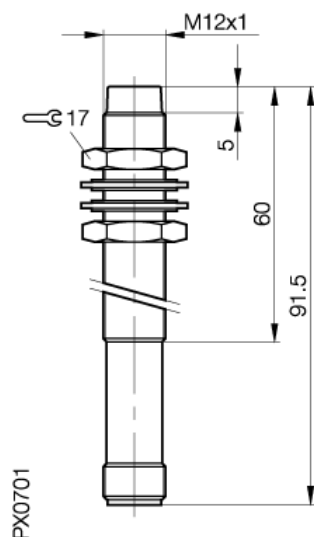


BES 113-3019-SA1-S4
Inductive Sensors

PNP
NC
non flush mountable

BALLUFF
sensors worldwide



Electrical data:

Connection	Connector S4
Rated operational voltage (Ue)	24 DC V
Load current capacity (Ie)	130 mA
Time delay before availability	50 ms
Electrical type	DC
Utilization category	DC 12
Hysteresis max (H)	15 %
No-load supply current damped	= 25 mA
Off-state current max (Ir)	80 µA
Ripple max. of Ue	= 15 %
Switching output	PNP
Switching element function	NC
Operating frequency (f)	300 Hz
Voltage drop max. static	2,5 V
Supply voltage max. (Ub)	30 V
Supply voltage min. (Ub)	20 V

Mechanical data:

Number of Wires	3-wire
Tightening torque	10 Nm
Rated operating distance (sn)	3,7 mm
Diameter	M12x1 mm
Assured operating distance	0...2,9 mm
Mounting	non flush mountable
Ambient temperature max	+70 °C
Ambient temperature min	-25 °C
Degree of pollution	3
Sensing face material	PA 12
Housing material	CuZn, nickel plated
Repeat accuracy max. (R)	= 5 %

General data:

Short circuit protected	yes
Brand	Diagnostics
Degree of protection IP	IP67
Protected against polarity reversal	yes
Approval	CE
Features	function diagnostic

wiring



Pinout

