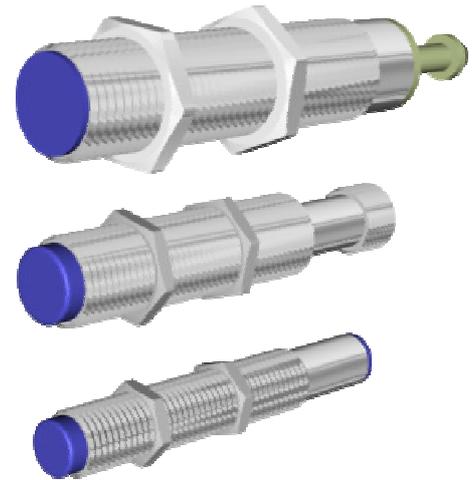
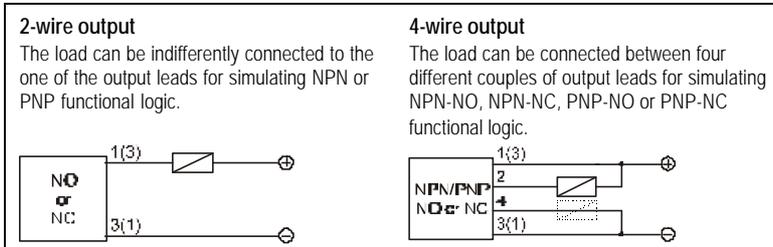


Programmable Inductive Sensors SPIP

- ◆ High reliability
- ◆ Up to 15 mm sense
- ◆ Programmable output type

The SPIP inductive sensors distributed by COMECO are manufactured by INFRA. The SPIP series include inductive sensors from M12 to M30 with programmable output type. Using different wiring schemes the operator can simulate NPN, PNP, NO or NC output logic. There are two groups of SPIP sensors, depending on the number of output leads:



Technical specifications

SP

Power supply	2 - wire	4 - wire
Supply voltage	10...30 VDC	12...30 VDC
Residual/Absorption current	< 1.6 mA	< 1.2 mA @ 24V
Output		
Output type (selectable)	NO or NC	NPN,PNP,NO,NC
Max. output current	100mA	200mA
Max. voltage drop at 100mA	6.5V	1.8V
Hysteresis		< 50 ms
Residual ripple		maximum 10%
Start-up delay		maximum 10%
Short circuit protection		Yes (self-reset)
Electric protection		Against polarity reverse

Indication and adjusting

Indication	Yellow LED
Pre-set	factory set
Operating conditions	
Operating temperature	-25 to 70 °C
Voltage deviation	+10% -15%

Design and materials

Casing material	Nickel plated brass
Wiring	2m cable 2x0.25 mm ²
Output connector (option)	4-pin connector M12
Protection class	IP-67

Diameter	Æ12		Æ18		Æ30	
Parameter						
Shield	Yes	No	Yes	No	Yes	No
Switching distance	2 mm	4 mm	5 mm	8 mm	10 mm	15 mm
- increased range	4 mm	-	8 mm	-	15 mm	-
Switching frequency	1 kHz	1 kHz	1 kHz	1 kHz	0.3 kHz	0.3 kHz
- increased range	0.5 kHz	-	0.5 kHz	-	0.2 kHz	-
Repeatability	≤ 1%	≤ 1%	≤ 1%	≤ 2%	≤ 1%	≤ 2%
- increased range	-	-	≤ 2%	-	≤ 2%	-
Weight with cable	110 g		145 g		210 g	
Weight with connector M12	60 g		95 g		170 g	

Ordering code



SPIP* - G1.G2 - #1

Code	Feature or option	Code values
*	Variant	2 - two wire output, 4 - four wire output
G1	Mounting thread	12 - M12x1, 18 - M18x1, 30 - M30x1.5
G2	Input sensing range	N - normal, I - increased
#1	Output connector	X - none (cable output), C1 - output connector M12 mounted

COMECO reserves the right of changing specifications without prior notice!