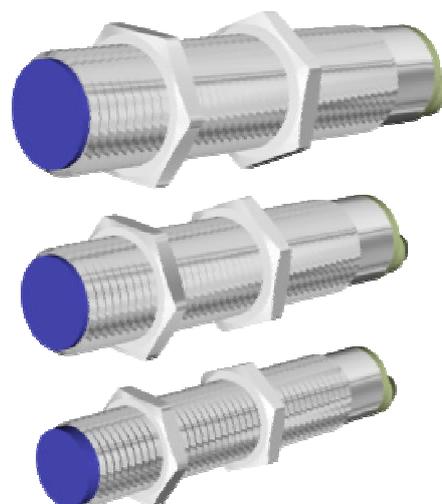
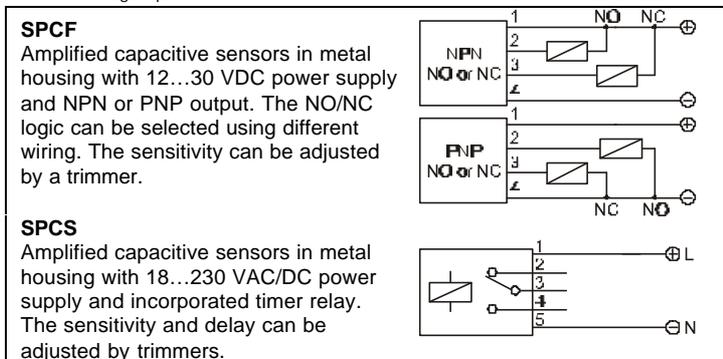


## Capacitive Proximity Sensors SPC

- ◆ Low price and High reliability
- ◆ Up to 25 mm sense
- ◆ Power supply 18...230 VAC/DC
- ◆ Diameters from 4 to 30 mm s

The COMECO capacitive proximity sensor series SPC, manufactured by INFRA, include two groups of sensors:



### Technical specifications

Power supply	SPCF	SPCS
<b>Supply voltage</b>	12 to 30 VDC	18 to 230 VAC/DC
<b>Maximal Absorption</b>	20 mA @ 24 VDC	2.5 VA
<b>Output</b>		
<b>Output type</b>	NPN or PNP	Relay
<b>Contacts</b>	NO/NC, selectable	Change-over
<b>Switching possibilities</b>	200 mA	90W or 360 VA
<b>Output delay timer</b>	no	ON or OFF delay
<b>Voltage drop (sensor ON)</b>	1.8V at 100 mA	no
<b>Start-up delay</b>	< 100 ms	< 300 ms
<b>Residual ripple</b>	maximum 10%	no
<b>Hysteresis</b>	Depends on the sensing distance	
<b>Repeatability</b>	better than 5%	

### Indication and adjusting

<b>Indication</b>	Yellow operation LED
<b>Sensing adjustment</b>	by multi-turn trimmer
<b>Operating conditions</b>	
<b>Operating temperature</b>	-25 to 70 °C
<b>Storage temperature</b>	-40 to 80 °C
<b>Power supply deviation</b>	+10% -15%
<b>Design and materials</b>	
<b>Casing material</b>	Nickel plated brass
<b>Wiring</b>	2m cable 4x0.25 mm <sup>2</sup>
<b>Protection class</b>	IP-67
<b>Short circuit protection <sup>(1)</sup></b>	Yes
<b>Electric protection <sup>(1)</sup></b>	Against polarity reverse

SP

<sup>(1)</sup> ONLY for SPCF models!

Sensor / Diameter	Æ18		Æ30	
<b>Sensors with NPN or PNP output</b>				
<b>Sensors with timer relay output</b>	-	-		
<b>Shield</b>	Yes	No	Yes	No
<b>Switching distance</b>	1...5 mm	1...10 mm	1...20 mm	1...25 mm
<b>Switching frequency</b>	10 Hz	10 Hz	10 Hz	10 Hz
<b>Repeatability</b>	≤ 1%	≤ 2%	≤ 1%	≤ 2%
<b>Weight</b>	160 g		250 g	

### Ordering code



SPC★ - G1.G3 - #1

Code	Feature or option	Code values
★	Variant	F - with NPN or PNP output, S - with relay output
G1	Mounting thread	18 - M18x1 <sup>(2)</sup> , 30 - M30x1.5
G3	Output type	SPCF N - NPN with selectable NO or NC, P - PNP with selectable NO or NC
		SPCS A - relay with activating (ON) delay, D - relay with deactivating (OFF) delay
#1	Timer delay range <sup>(3)</sup>	From 1 to 300 seconds

<sup>(2)</sup> Not available for SPCS models

<sup>(3)</sup> Only for SPCS models