

PS 989 S



- Adjustable sensing distance : 1,5 to 8 cm
- Supply : 10 to 30 VDC
- Output : PNP or NPN
- Set-up by precision screw



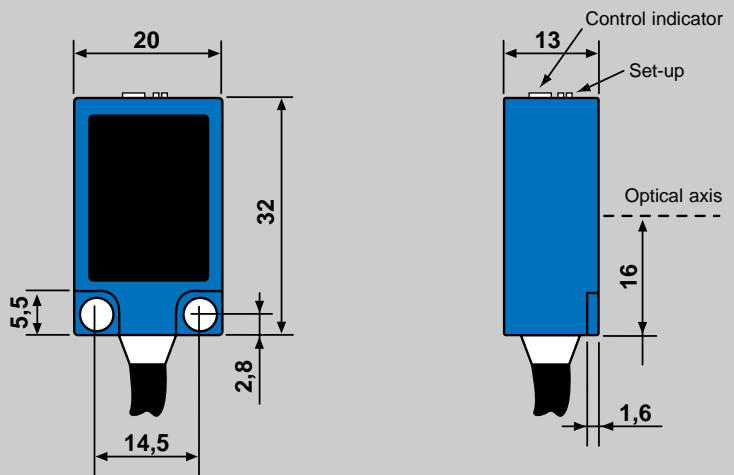
Description :

- Miniaturised
- Integrated amplifier
- Detection indication by LED
- Indication of short-circuit on the output by blinking LED
- Lateral beam
- Back-ground suppression
- Direct / inverse output
- Red pulsed visible light
- 2 m cable or M8 plug

Applications :

- Control of position or presence of parts with back-ground suppression.
- Detection of object height on a conveyor.
- Detection of solid granulates level.

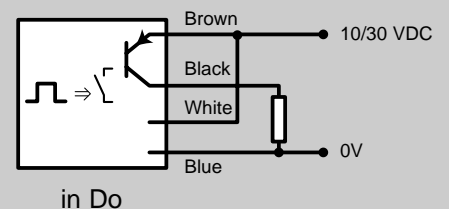
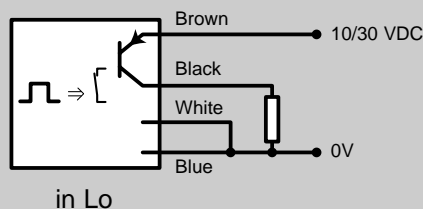
Dimensions



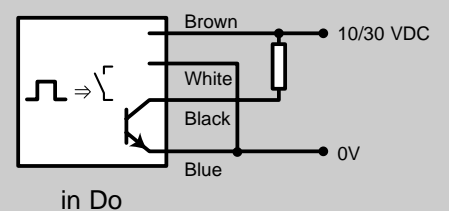
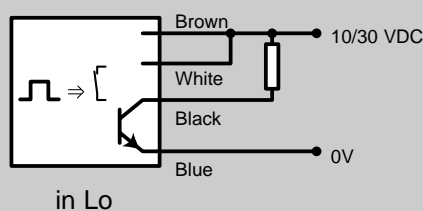
Wiring Connections

⇒ Diffuse reflection detection

P output type



N output type



Technical Information

Supply	voltage	10 / 30 VDC ripple < 10% within specified limits
	consumption	< 25 mA
Response time	t_{on} or t_{off}	1 mS
	switching frequency	500 Hz
Output	max. nominal frequency	100 mA
	residual voltage at 100 mA	< 2 V
	residual voltage at 10 mA	< 1 V
Emission	LED	red pulsed
	modulation frequency	6 KHz
Temperature	operating	0 to 50° C
	storage	- 20° to 80° C
External light immunity		insensitive
Protections	supply	inverse polarity protection
	output	permanent short-circuit or over-load protection
	degree	IP 65 and IP 67
Directe / inverse function		by cable, see "Wiring Connections"
Difference black/white		2 cm at maximum sensing distance

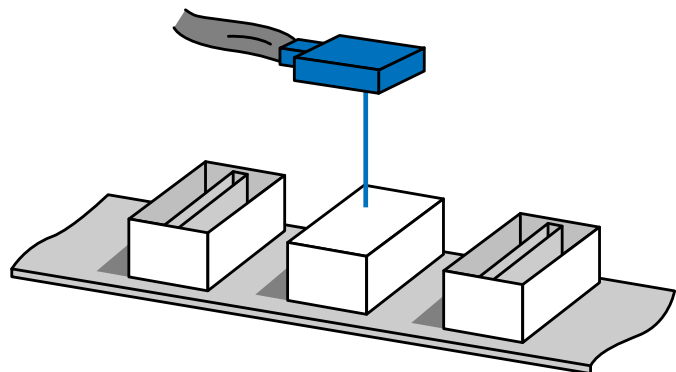
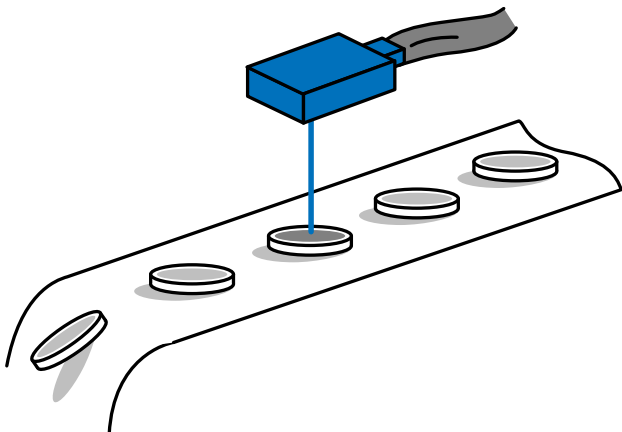
Pour Commander

Product	Miniature sensor with back-ground suppression
Reference	PS 989 SN - 2 m cable output (NPN) PS 989 SP - 2m cable output (PNP) PS (C0) 989 SN - plug output (NPN) PS (C0) 989 SP - plug output (PNP)

TYPE OF APPLICATIONS

Example 1

Detection of biscuits on a conveyor.



Example 2

Detection of box covers on a conveyor.