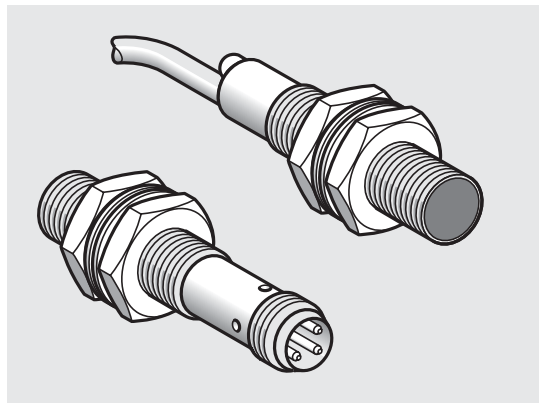


**E/R 82** CE

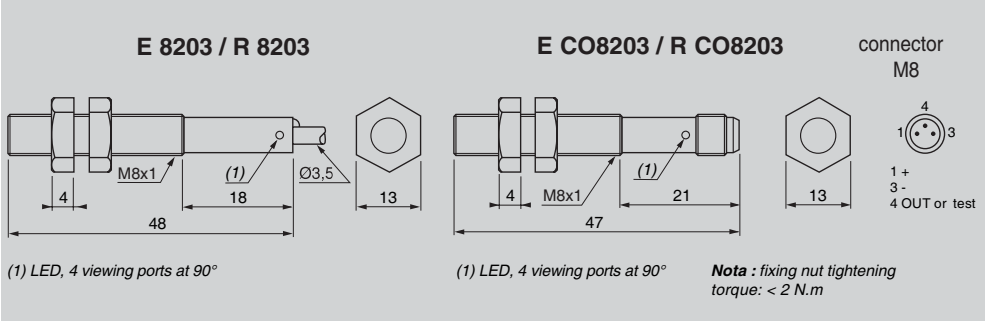
- Sensing distance 2 m
- Supply : 10 / 30 VDC



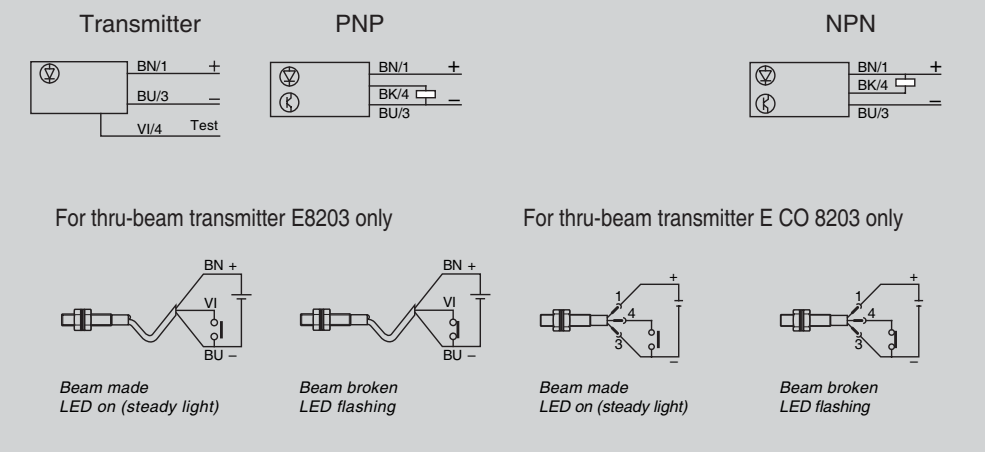
- Description :**
- Miniature M8 sensor
  - Robust Enclosure
  - Integrated amplifier
  - Detection indication by LED
  - Cable or M8 connector

- Applications :**
- Detection of opaque parts on a conveyor
  - Control of parts on a robot
  - Control of presence of opaque parts

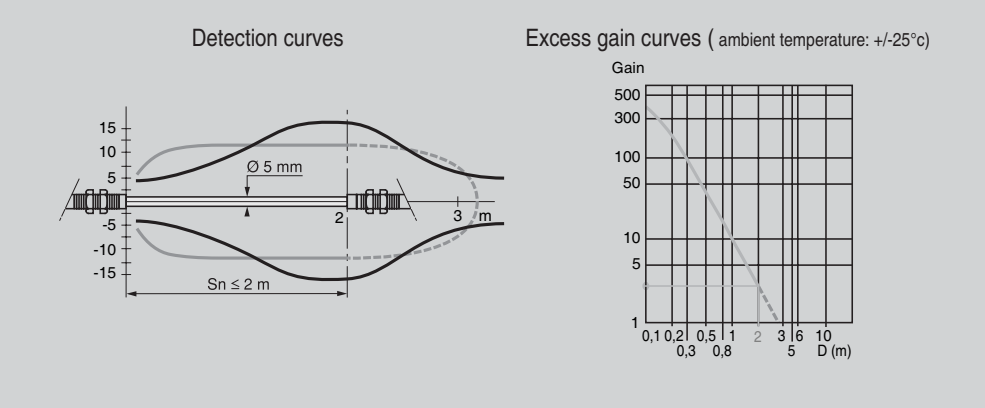
## Dimensions



## Wiring Connections



## Detection curves



## Technical Information

<b>Supply</b>	voltage	10 / 30 VDC ripple < 10% within specified limits
	consumption	Transmitter < 45 mA
		Receiver < 10 mA Diffuse < 25 mA
<b>Response time</b>	Switching frequency	2000 Hz
	First-up	< 20 ms
	Response and recovery	< 0,25 ms
<b>Output</b>	max. nominal intensity	100 mA
	Voltage drop, closed state	< 2 V
<b>Emission</b>	DEL	red
	Modulation frequency	8 KHz
<b>Temperature</b>	operating	-25.... +55° C
	storage	-30.... +70° C
<b>Protections</b>	supply	inverse polarity protection
	output	permanent short-circuit or over-load protection
	degree of protection	IP 65, IP 67

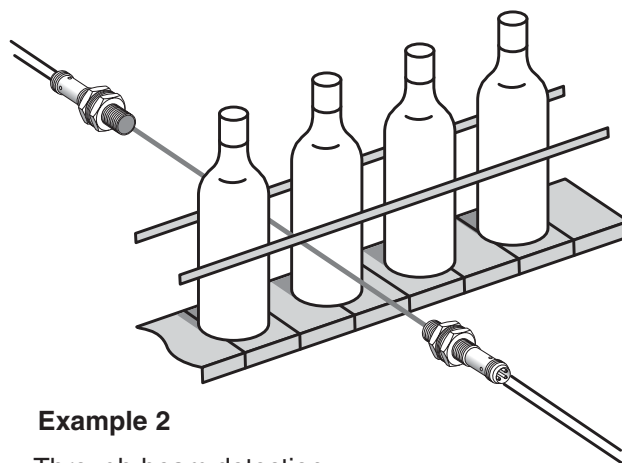
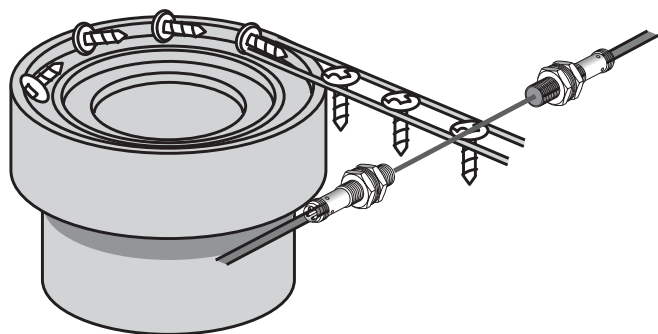
## To Place Order

<b>Product</b>	M8 miniature sensor in thru-beam mode		
<b>Reference</b>	Output with cable 2m	E 8203 / R 8203	
	Output with M8 connector	E CO8203 / R CO8203	
<b>Sortie</b>	PNP NO function	R 8214 SP NO	
	NC function	R 8224 SP NC	
	NPN NO function	R 8214 SN NO	
	NC function	R 8224 SN NC	
<b>Cable for M8 connector</b>	length 2 m	straight	CM 832
		90° angle	CM 832C

## TYPES OF APPLICATIONS

### Example 1

Through-beam detection.



### Example 2

Through-beam detection.