Frame light barrier

**200x250 mm
Connector M12**

ORSTD 200/250 PNUK-ST4

Data

Wiring technique	4-wire
Discrete output type	PNP or NPN
Discrete output function	1 NO or 1 NC programmable
Electrical connection	M12 1 male connector, 4 pins
Product specific application	Dynamic detection of passage of objects Static detection of passage of objects
Minimum object diameter for detection	Dynamic mode : 4 mm (0.1...15 m/s) Static mode : 6 mm

Enclosure material	Painted aluminium
Lens material	Altuglass
Type of output signal	Discrete
Output type	Solid state
Add on output	With alarm output
Status LED	1 LED (red) for alarm 1 LED (amber) for output state
[Us] rated supply voltage	24 V DC with reverse polarity protection
Supply voltage limits	18...30 V DC
Switching capacity in mA	<= 100 mA (overload and short-circuit protection)
Switching frequency	> 5000 Hz
Voltage drop	< 2 V (closed state)
Current consumption	<= 150 mA (no-load)
Time delay range	0...5 s off-delay delay
Delay first up	<= 100 ms
Delay recovery	< 0.1 ms
Setting-up	Sensitivity adjustment with potentiometer
Depth	25 mm
Height	230 mm
Width	335 mm
Product weight	1.32 kg

Product certifications	CE
	CULus
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-20...80 °C
Immunity to ambient light	<= 3000 lux with incandescent light
	<= 10000 lux with sunlight
Vibration resistance	25 gn, amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 11 ms) conforming to IEC 60068-2-27
IP degree of protection	IP65 conforming to IEC 60529

Dimensions
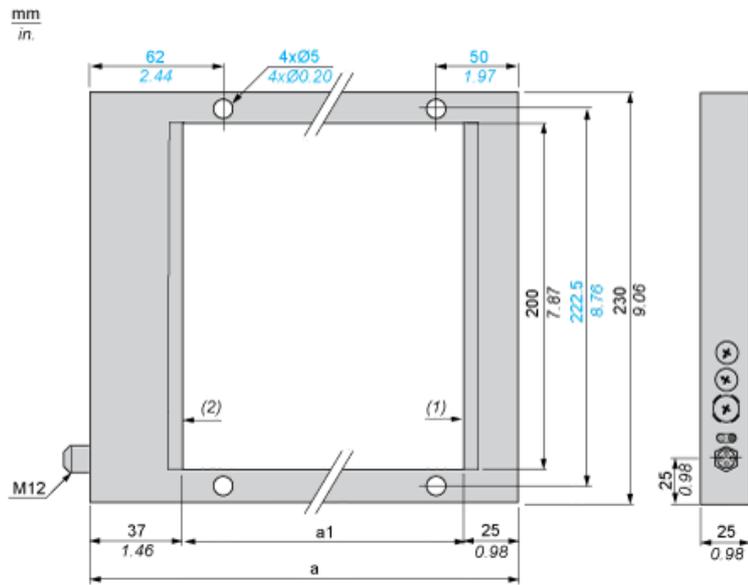
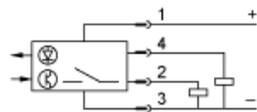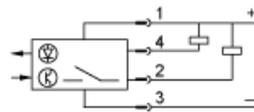(1) Transmitting face
(2) Reception face

Dimensions in mm

a	a1
312	250

Dimensions in in.

a	a1
12.28	9.84

4-Wire DC

PNP Output

NPN Output

Connector
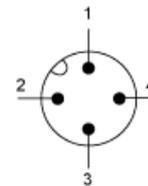
1 : +
2 : Not connected
3 : -
4 : Output