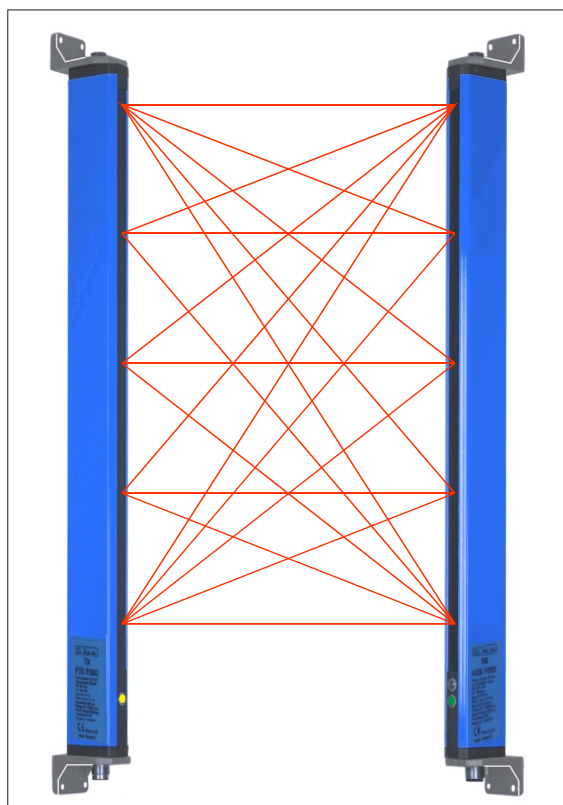


## FOX P080

## Light Curtain Presence - Detection



Resolution 80 mm

Protected Height 320 ÷ 1920 mm

Range HP ÷ 30 metri

Output 1 switch - ON/OFF

Directives 2014/30/EC - 2014/35/EC

Light Curtain for the detection at infrared rays for the control - automation - objects presence control on areas - object passage detection on a conveyor - pieces counting - etc ..

**Start/Restart** : automatic restart of the logic state of the device after an intervention and at its powering on. It is supplied in series with a connector output M12 female 5poles to wire driving and with orientable support brackets (SMO)

### PROTECTED AREAS HEIGHT

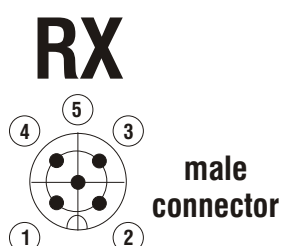
Product Code	Protected Height mm HP	Total Height mm H / SMO	Total Height mm H / SEA	Response time ms	Number of controlled rays
FOX - P080	320	445	395	14	3x3
FOX - P080	480	605	555	16	4x4
FOX - P080	640	765	715	18	5x5
FOX - P080	800	925	875	20	6x6
FOX - P080	960	1085	1035	22	7x7
FOX - P080	1120	1245	1195	24	8x8
FOX - P080	1280	1405	1355	26	9x9
FOX - P080	1440	1565	1515	28	10x10
FOX - P080	1600	1725	1675	30	11x11
FOX - P080	1760	1885	1835	32	12x12
FOX - P080	1920	2045	1995	34	13x13

# TECHNICAL FEATURES

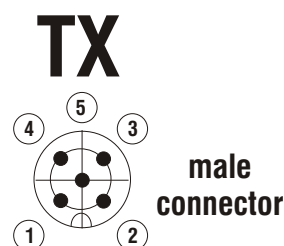
FOX P080

Applications	PRESENCE - DETECTION
Power Supply	24Vdc $\pm$ 10%
Absorption TX Unit	80 mA max
Absorption RX Unit	70 mA max
Output	1 switch SW1 (ON/OFF) free from potential 0,3 Adc/ac @ 24 Vdc/ac
Output Protection	Short circuit and overcharge through self restoring fuses. After an overcharge or shortcircuit it is necessary to power off and wait some seconds before the normal working restart
LED Signallings	<b>TX Unit</b> - Yellow Led = Power Supply  <b>RX Unit</b> - Green Led = Curtain free - Red Led = Curtain occluded
Housing	Polished aluminium BLU RAL 5015
Housing Section	22 x 36 mm
Protection Degree	IP54 (option IP67 - IP69K)
Working Temperature	0 / +55 °C
RX Connection	Connector M12 female 5 poles to wire driving included in the supply
TX Connection	Connector M12 female 5 poles to wire driving included in the supply
Fixing	SMO - orientable support brackets (standard version) SEA - antivibrating elastic supports (optional)

# CONNECTION ELECTRIC DIAGRAM



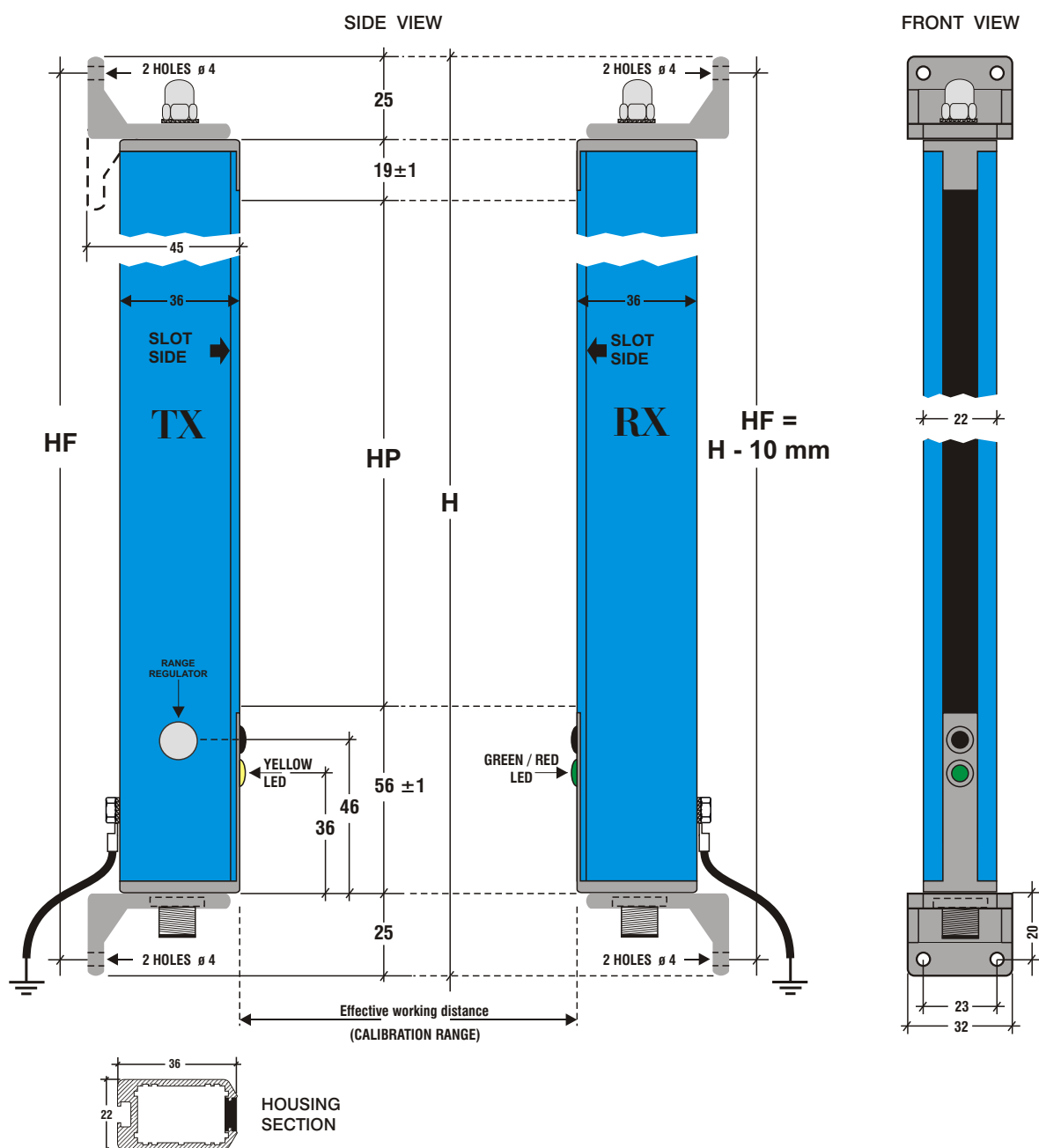
- 1) Brown = + 24Vdc
- 2) White =
- 3) Blue = -
- 4) Black =
- 5) Grey = N.C.
- Shield =



- 1) Brown = + 24Vdc
- 2) White = N.C.
- 3) Blue = -
- 4) Black = N.C.
- 5) Grey = N.C.
- Shield =

## VERSION MOUNTING SOLUTION "SMO" (STANDARD)

Fig.1



## KIT - 8A (accessory)

Separately you can purchase KIT - 8A (see ACCESSORIES section) consists of a box of N° 8 antivibrating elastic supports, inclusive of the respective screws, to apply to SMO brackets (upper/lower) as shown in Fig.2.

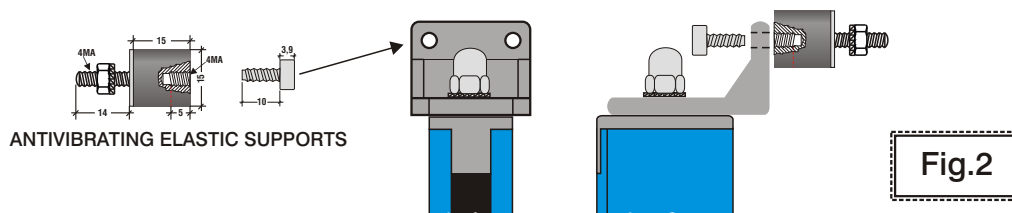
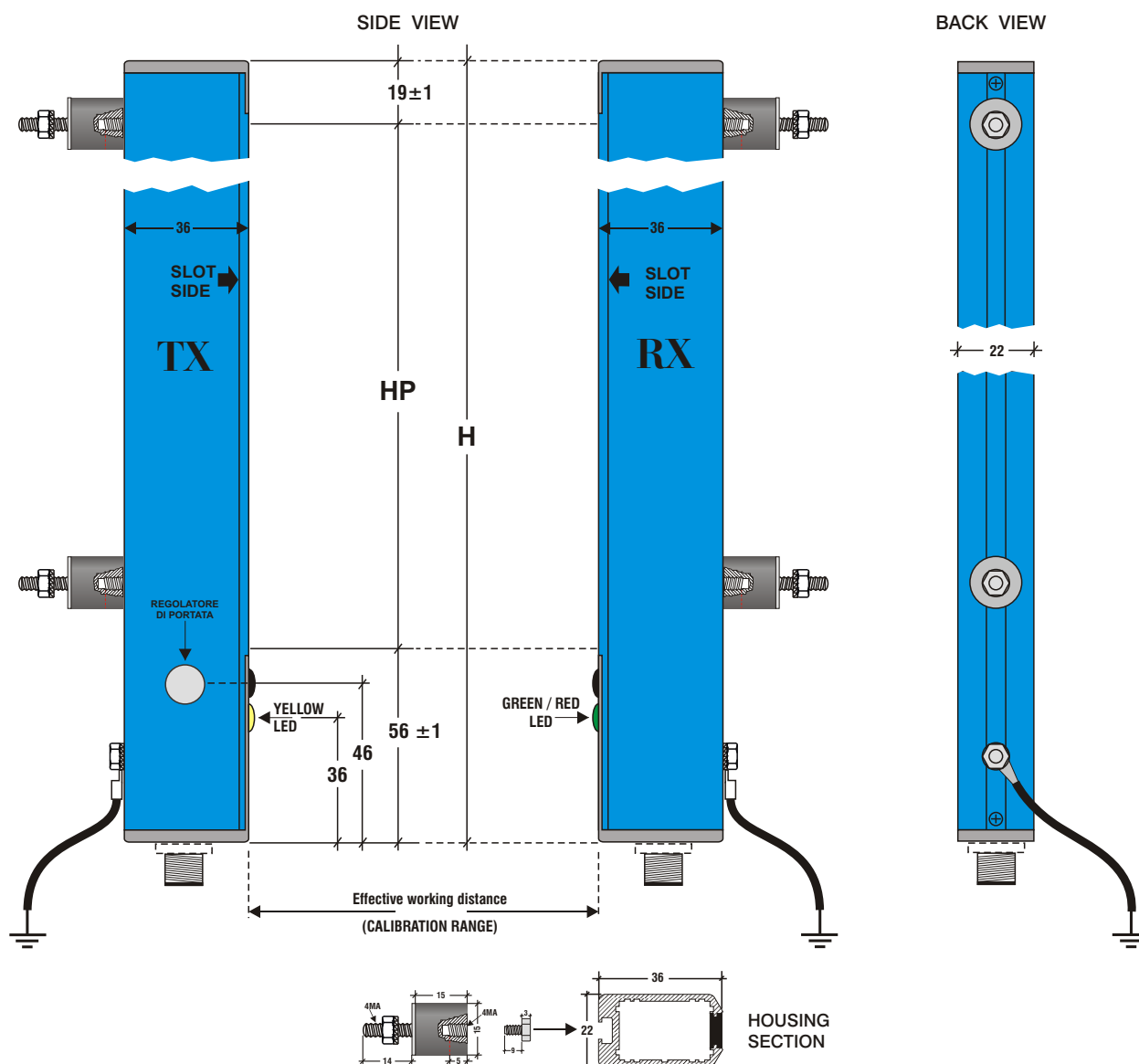


Fig.2

## VERSION MOUNTING SOLUTION "SEA" (OPTIONAL)

Fig.3

**Note :**

With the SEA fixing solution, a number of anti-vibration elastic supports proportional to the total height  $H$ , are inserted at the factory in the rear rail of the light curtain, as shown in Fig.3.

The antivibrating elastic supports can slide freely in the rear guide so as to facilitate the final mounting at the desired points.

This solution allows to reduce the total dimensions while maintaining the ability to meet the mechanical vibrations.

Additional antivibrating elastic supports can be requested by the customer when ordering.

## OPTIONS

SEA	Antivibrating elastic supports (see Fig.3)
CB60 IP67	IP67 protection in transparent cylindric
CB60 IP69K	IP69K protection in transparent cylindric

## ACCESSORIES

SPV100	Mirror column for enclosures (depending on the HP protected of the light curtain, check on the respective technical sheet SPV100 the HU of the mirror)
SPV100 PLUS	Mirror column <b>UNBREAKABLE</b> for enclosures (depending on the HP protected of the light curtain, check on the respective technical sheet SPV100PLUS the HU of the mirror)
KIT - 8A	Kit of N° 8 antivibrating elastic supports including the respective screws to be applied to SMO brackets (upper / lower) as shown in Fig.2

## HOW TO ORDER THE OPTIONS and THE ACCESSORIES

SEA	2	SPV100	9
CB60 IP67	3	SPV100 PLUS	10
CB60 IP69K	4	KIT - 8A	14

INSERT NUMBER  
CORRESPONDING  
IN ORDER  
LIGHT CURTAIN

## HOW TO ORDER THE LIGHT CURTAIN

Product Code	HP protected height	Distance effective working	Distance max working	OPTIONS	ACCESSORIES
FOX - P080	-	-	-	-	-
TRANSMITTER + RECEIVER	SEE TABLE page 1	Indicate the distance effective working between the unit TX and RX in mm	Maximum range between TX and RX NR = HP ... 6 meters MR = 6 ... 16 meters HR = 16 ... 30 meters	2 3 4	9 10 14

Example :

FOX - P080 - 320 - 1000 - NR + 

2	-
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 + 

-	-	14
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