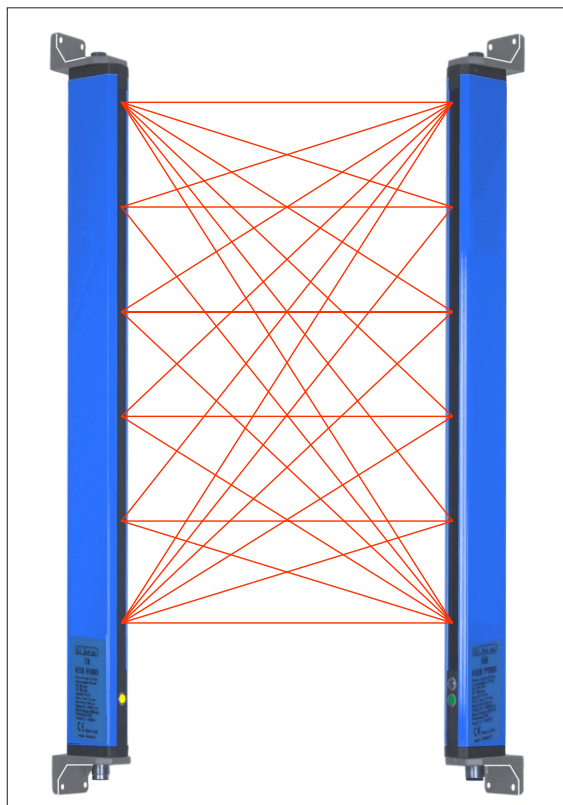


## FOX P040

## Light Curtain Presence - Detection



Resolution 40 mm

Protected Height 160 ÷ 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 - P040	160	285	235	14	3x3
FOX - P040	240	365	315	16	4x4
FOX - P040	320	445	395	18	5x5
FOX - P040	400	525	475	20	6x6
FOX - P040	480	605	555	22	7x7
FOX - P040	560	685	635	24	8x8
FOX - P040	640	765	715	26	9x9
FOX - P040	720	845	795	28	10x10
FOX - P040	800	925	875	30	11x11
FOX - P040	880	1005	955	32	12x12
FOX - P040	960	1085	1035	34	13x13
FOX - P040	1040	1165	1115	36	14x14
FOX - P040	1120	1245	1195	38	15x15
FOX - P040	1200	1325	1275	40	16x16
FOX - P040	1280	1405	1355	42	17x17
FOX - P040	1360	1485	1435	44	18x18
FOX - P040	1440	1565	1515	46	19x19
FOX - P040	1520	1645	1595	48	20x20
FOX - P040	1600	1725	1675	50	21x21
FOX - P040	1680	1805	1755	52	22x22
FOX - P040	1760	1885	1835	54	23x23
FOX - P040	1840	1965	1915	56	24x24
FOX - P040	1920	2045	1995	58	25x25



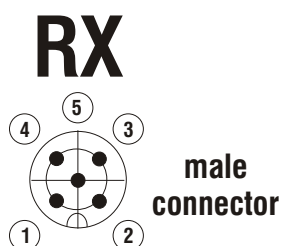
Via Pergolesi 30 - 20851 LISSONE (MB) - [www.elindco.it](http://www.elindco.it)

SEPTEMBER 2016

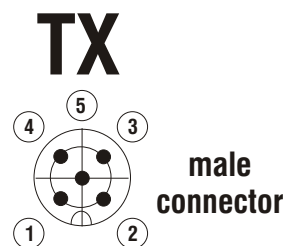
The manufacturer reserves the right to modify the products and the details of this TECHNICAL SHEET at any time without prior notification  
EL.IND.CO. It is not responsible for any improper use of its products.

page 1/5

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**


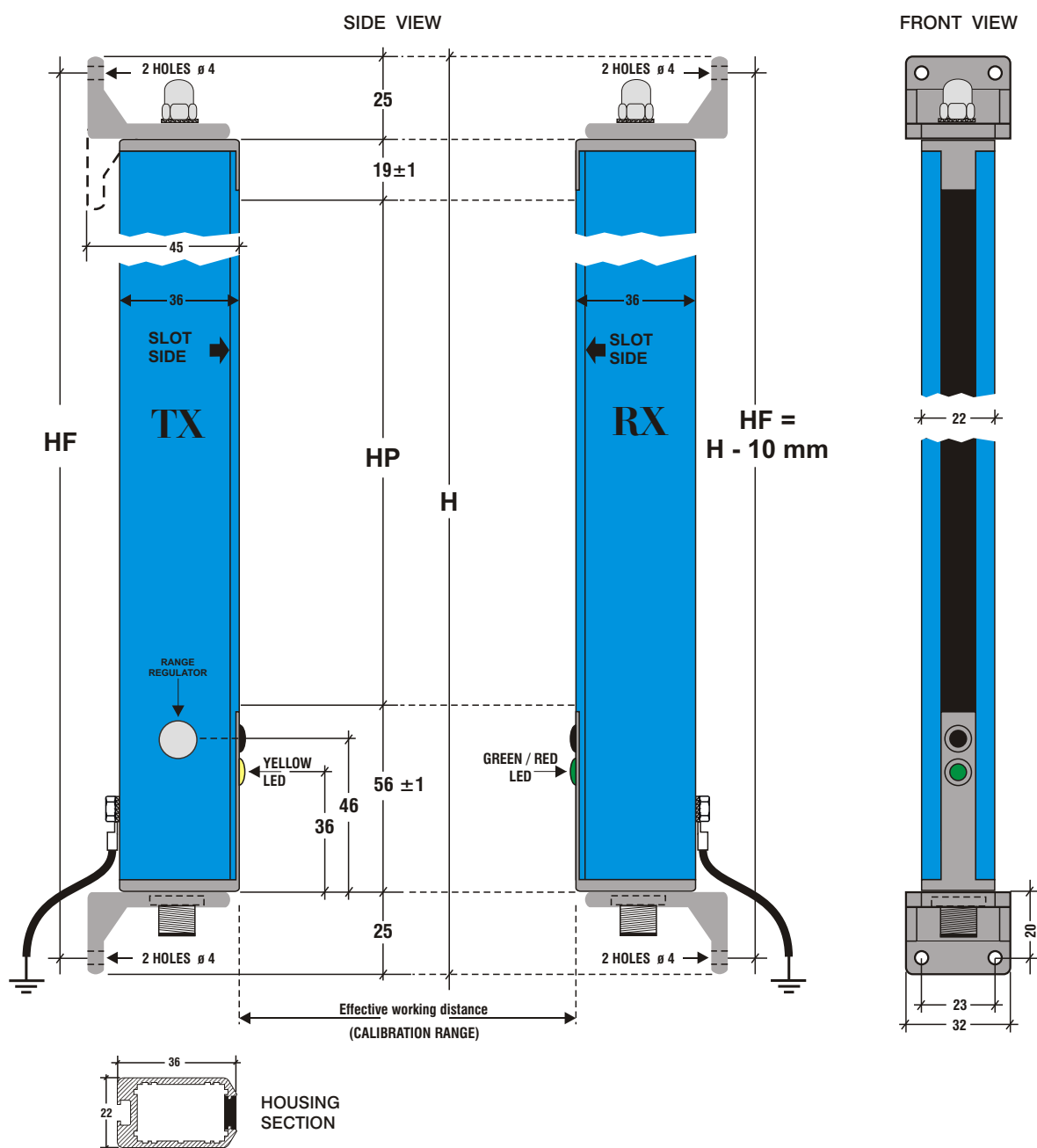
- |          |           |
|----------|-----------|
| 1) Brown | = + 24Vdc |
| 2) White | =         |
| 3) Blue  | = -       |
| 4) Black | =         |
| 5) Grey  | = N.C.    |
| Shield   | =         |



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

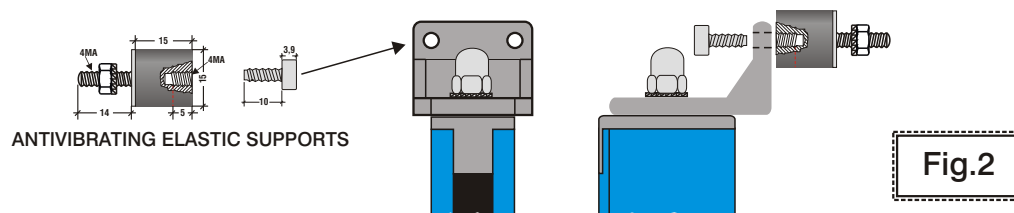
Fig.1

### VERSION MOUNTING SOLUTION "SMO" (STANDARD)



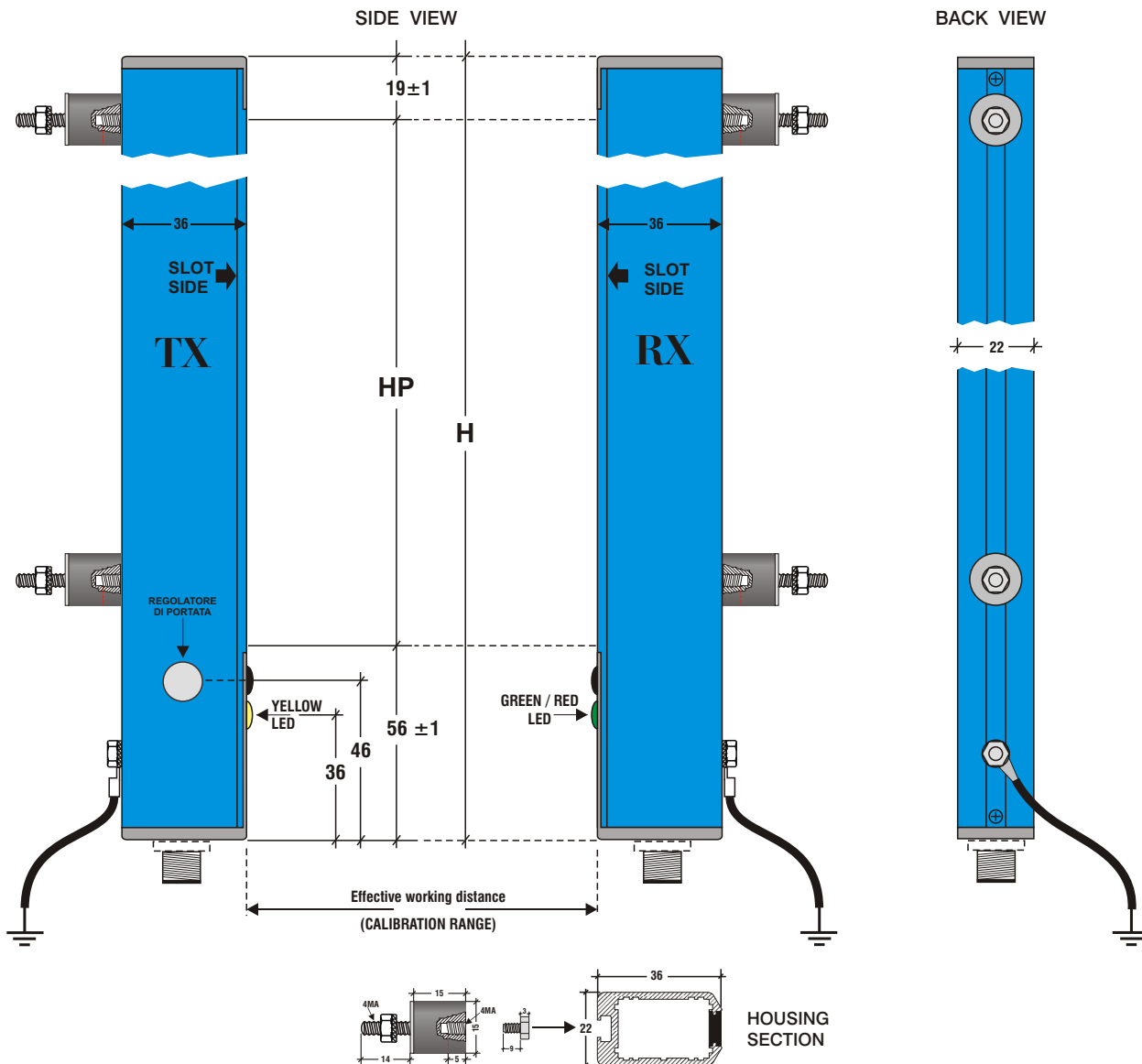
**KIT - 8A (accessory)**

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.



## 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 - P040	-	-	-	-	-
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 - P040 - 160 - 1000 - NR + 

2	-
---	---

 + 

-	-	14
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