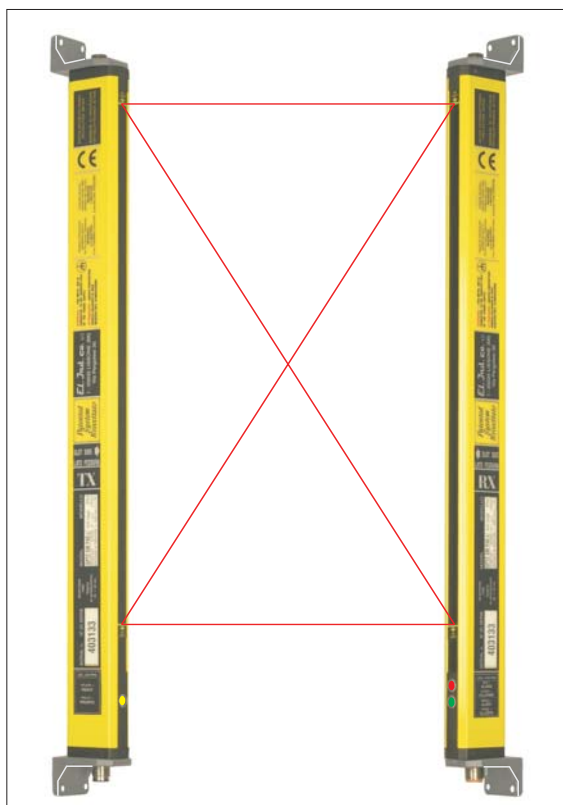


# OPT3 SMC P150

Safety Light Curtain TYPE 2 - SIL 2 SILCL 2 PL d  
Safety Light Curtain TYPE 4\* - SIL 3\* SILCL 3 PL e



Resolution 150 mm - access

Protected Height 300 ÷ 1200 mm

Range HP ÷ 30 meters

Output 2 switches - ON/OFF

Directives 2006/42/EC - 2004/108/EC - 2006/95/EC

Standards CEI-EN 61496/1 - CEI-CLC/TS 61496-2

Certificate N.0068/ETI - MAC/001-2010 Rev.2

Safety Light Curtain Type2 (\*) with the following functions :

**Start/Restart** : automatic restart of the logic state of the device after an intervention and at its powering on (Standard Model)

**SRS/EDM** : SRS = start restart automatic /manual after an intervention and at its powering on + EDM (External Device Monitoring) choosing the option SRS/EDM

## Test Input

It is supplied in series with a connector output M12 and with orientable support brackets (SMO)

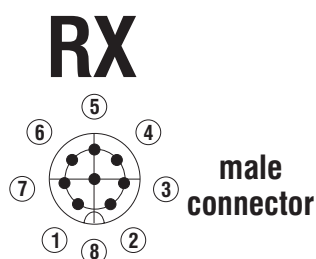
(\*) Upgrading to **TYPE 4** through a control unit BOX2/4 which implements the following functions :

- **Outputs** - 2 switches 5A/250V (mobile concatenated relays) - **Led Diagnostic** for failures signalling and detection
- **EDM** (External Device Monitoring) - **Contact AUX (Auxiliary) NC** normally closed

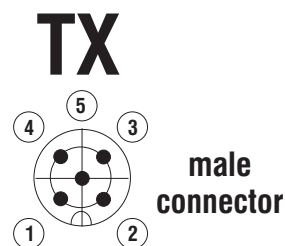
## PROTECTED AREAS HEIGHT

Product Code	Protected Height HP mm	Total Height H mm	Response time ms	Number of controlled rays
OPT3-SMC-P150-0300	300	465	15	2x2
OPT3-SMC-P150-0600	600	765	18	3x3
OPT3-SMC-P150-0900	900	1065	20	4x4
OPT3-SMC-P150-1200	1200	1365	23	5x5

<b>Safety Category</b>	TYPE 2 - SIL 2    SILCL 2 PL d / TIPO 4* - SIL 3*    SILCL 3 PL e
<b>Power Supply</b>	24Vdc $\pm$ 10%
<b>Absorption TX Unit</b>	80 mA max
<b>Absorption RX Unit</b>	70 mA max
<b>Output</b>	2 switches SW1 - SW2 (ON/OFF) free from potential 1Adc/ac @ 40Vdc/ac
<b>Output Protection</b>	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
<b>LED Signallings</b>	<p><b>TX Unit</b></p> <ul style="list-style-type: none"> <li>- Yellow Led = Power Supply</li> </ul> <p><b>RX Unit</b></p> <ul style="list-style-type: none"> <li>- Green Led = Active Protection</li> <li>- Red Led = Alarm</li> <li>- Orange Led ON = Manual Operation</li> <li>- Orange Led blinking = Waiting for RESTART</li> <li>- Orange Led OFF = Automatic Operation</li> </ul> <p><i>present only with the OPTION SRS/EDM</i></p>
<b>Housing</b>	Polished aluminium RAL1021
<b>Housing Section</b>	22 x 36 mm
<b>Protection Degree</b>	IP54 (option IP67 - IP69K)
<b>Working Temperature</b>	0 / +55 °C
<b>RX Connection</b>	Connector M12 female 8 poles shielded - lenght 10 meters
<b>TX Connection</b>	Connector M12 female 5 poles shielded - lenght 10 meters
<b>Fixing</b>	SMO (orientable support brackets)

**CONNECTION ELECTRIC DIAGRAM (Standard Model)**


- 1) White = N.C.
- 2) Brown = + 24Vdc
- 3) Green = SW1
- 4) Yellow = SW2
- 5) Grey = SW2
- 6) Pink = SW1
- 7) Blue = -
- 8) Red = N.C.
- Shield =



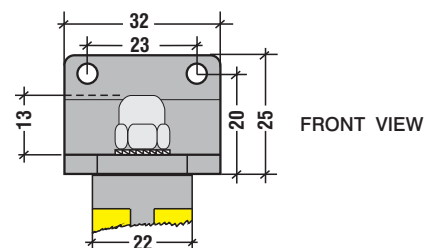
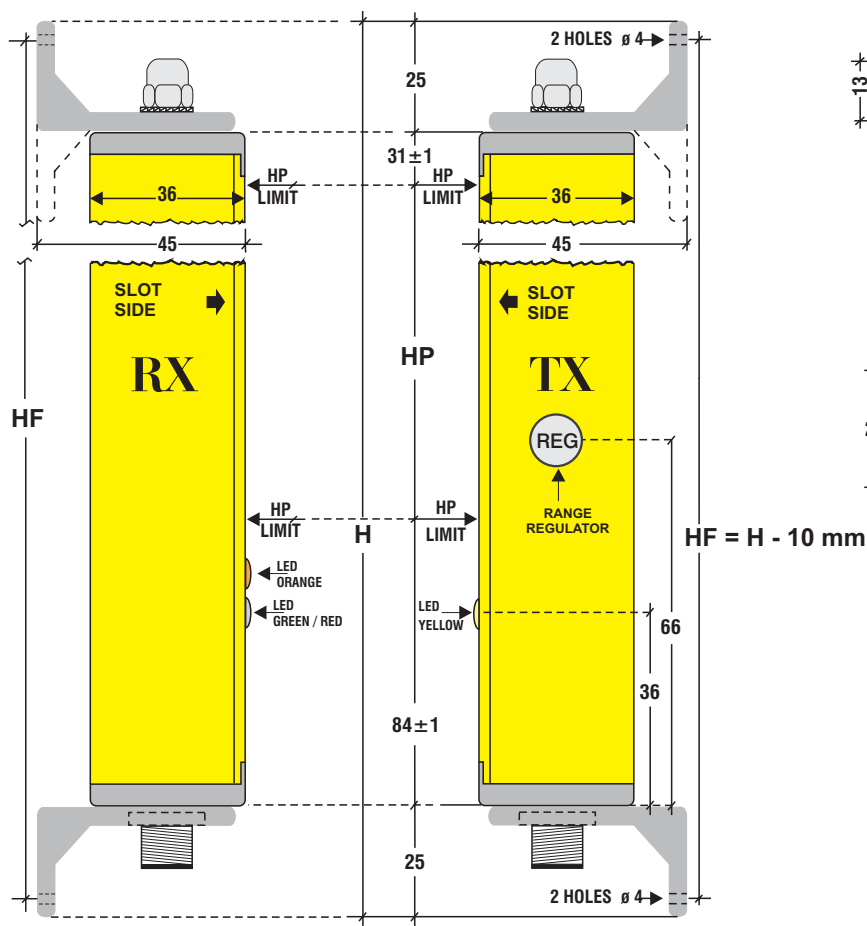
- 1) Brown = + 24Vdc
- 2) White = TEST INPUT
- 3) Blue = -
- 4) Black = TEST INPUT
- 5) Grey = N.C.
- Shield =

**TEST INPUT** = Connect the 2 threads, white and black is simulated the interruption of the curtain test the correct opening of the outputs SW1 - SW2 of the receiving unit

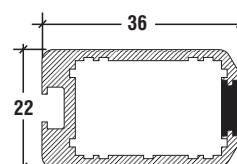
<sup>(1)</sup>Leave close if not used

page 3/4

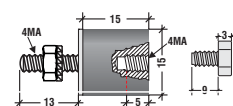
SIDE VIEW



FRONT VIEW



HOUSING SECTION



SUPPEL70 = Elastic supports antivibrating sliding on all the lenght (OPTIONS)

## OPZIONI (°°)

SRS / EDM	Start Restart automatic/manual + EDM (External Device Monitoring)
OUTPUT CABLE	Output with direct cable lenght 5 meters
SUPPEL 70	Supports for the direct mounting of the profile (not orientable)
CB60 IP67	IP67 protection
CB60 IP69K	IP69K protection

## ACCESSORIES

COD 5	Cable TX M12 - 5 poles shielded 10 meters included in the supply
COD 8	Cable RX M12 - 8 poles shielded 10 meters included in the supply
BOX 2/4 (*)	External control unit for TYPE 4 upgrading
BOX-MUT	External control unit for neutralization - MUTING
SPV100	Mirrors at V for enclosures
SPV100 PLUS	Mirrors at V <b>UNBREAKABLE</b> for enclosures

## HOW TO ORDER

Product Code	Distance	Mounting	OPTIONS (°°)	Maximum Range between TX and RX
OPT3-SMC-P150-0300	-	- SMO	-	NR = HP ... 6 meters MR = 6 ... 16 meters HR = 16 ... 30 meters

Working distance in mm.

To be indicated on the order. The Light Curtain will be supplied pre-calibrated for an **immediate adjustment**

Example : OPT3 SMC-P150-0300 - 1000 - NR - SMO - SRS/EDM

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