

# OPT3 SMC P001

MONORAY TYPE 2 - SIL 2 SILCL 2 PL d  
MONORAY TYPE 4\* - SIL 3\* SILCL 3 PL e



Protected height **monoray**

Range **HP ÷ 30 meters**

Output **2 interruttori - 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 Type 2 (Type 4\*) with the following functions :

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

**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 Monitor)
- **Contact AUX (Ausiliario) NC** normally closed

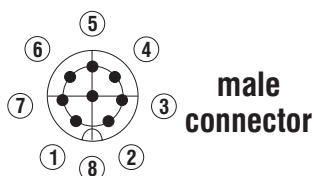
## PROTECTED AREAS HEIGHT

Product Code	Protected Height HP mm	Total Height H mm	Response time ms	Number of controlled rays
<b>OPT3-SMC-P001</b>	monoray	225	6	1

<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> <b>Absorption RX Unit</b>	50 mA max 40 mA max
<b>Output</b>	2 switches SW1 - SW2 (ON/OFF) free from potential 0,75 Adc/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>	<b>TX Unit</b> - Yellow Led = Power Supply <b>RX Unit</b> - Green Led = Active Protection - Red Led = Alarm
<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> <b>TX Connection</b>	Connector M12 female 8 poles shielded - lenght 10 meters Connector M12 female 5 poles shielded - lenght 10 meters
<b>Fixing</b>	SMO (orientable support brackets)

**CONNECTION ELECTRIC DIAGRAM**

# RX

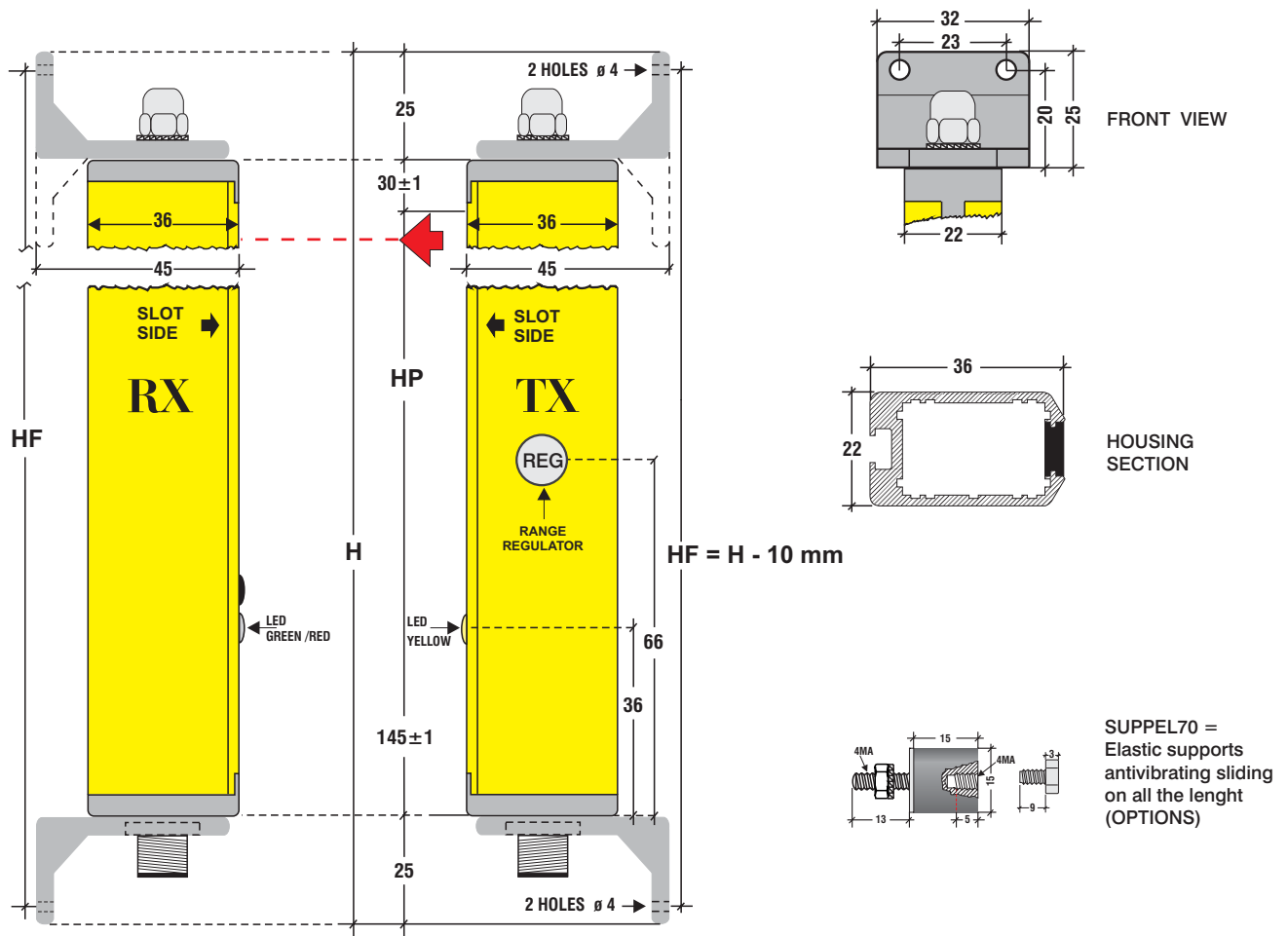


- 1) White = N.C.
- 2) Brown = + 24Vdc
- 3) Green = SW1
- 4) Yellow = SW2
- 5) Grey = SW2
- 6) Pink =
- 7) Blue =
- 8) Red = N.C.
- Shield =

# TX



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



## OPTIONS (°°)

OUTPUT CABLE	Output with direct cable length 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

OPT3-SMC-P001 -

Distances

Mounting

SMO

Maximum Range between TX and RX  
 NR = HP ... 16 meters  
 MR = 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-P001 - 1000 - NR - SMO

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The manufacturer has the right to modify the products and the details contained in this TECHNICAL SHEET whenever necessary without previous notification.  
 EL.IND.CO. is not responsible for an improper use of its products.

page 3/3