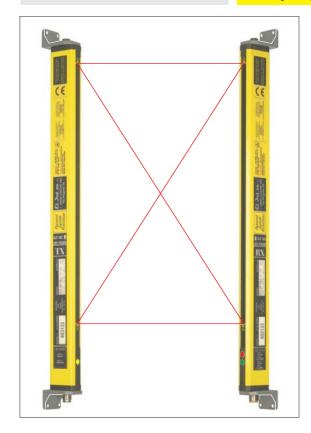
OPT3 SMC P320

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







Detection	320 mm - body
Protected	Height 640 ÷ 1920 mm
Range	HP ÷ 30 meters
Output	2 switches - ON/OFF
Directives	2006/42/EC - 2004/108/EC - 2006/95/EC
Stardards	CEI-EN 61496/1 - CEI-CLC/TS 61496-2
Certificate	N.0068/ETI - MAC/001-2010 Rev.2

Safety Light Curtain Type 2 (*) 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)

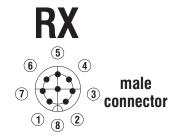
- (*) Upgrading to TYPE 4 through a control unit BOX 2/4 which implements the following functions :
- Outputs 2 switches 5A/250V (mobile concatenated relays)
- **EDM** (External Device Monitoring)

- Led Diagnostic for failures signalling and detection Contact AUX (Ausiliary) NC normally closed
- PROTECTED AREAS HEIGHT Protected Height Total Height Product Code Response time Number of HP mm controlled rays H mm ms OPT3-SMC-P320-0640 640 15 2x2 OPT3-SMC-P320-1280 1280 1445 18 3x3 OPT3-SMC-P320-1920 1920 2085 20 4x4

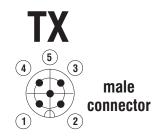


TECHNICAL FEATURES	OPT3 SMC P320			
Safety Category	TYPE 2 - SIL 2 SILCL 2 PL d / TIPO 4* - SIL 3* SILCL 3 PL e			
Power Supply	24Vdc ± 10%			
Absorption TX Unit Absorption RX Unit	80 mA max 70 mA max			
Output	2 switches SW1 - SW2 (ON/OFF) free from potential 1Adc/ac @ 40Vdc/ac			
Output Protection	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	TX Unit - Yellow Led = Power Supply RX Unit - Green Led = Active Protection - Red Led = Alarm - Orange Led ON = Manual Operation - Orange Led blinking = Waiting for RESTART - Orange Led OFF = Automatic Operation			
Housing	Polished aluminium RAL1021			
Housing Section	22 x 36 mm			
Protection Degree	IP54 (option IP67 - IP69K)			
Working Temperature	0 / +55 °C			
RX Connection TX Connection	Connector M12 female 8 poles shielded - lenght 10 meters Connector M12 female 5 poles shielded - lenght 10 meters			
Fixing	SMO (orientable support brackets)			

CONNECTION ELECTRIC DIAGRAM (Standard Model)



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



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



Shield

RX

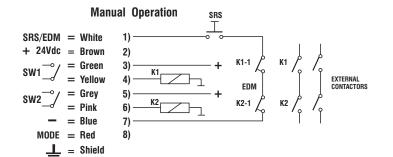


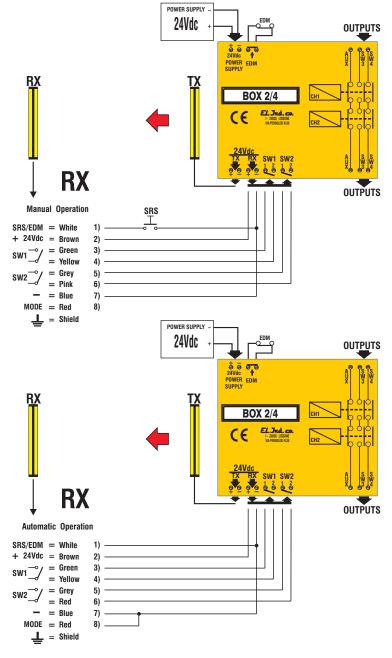
Table Operative Mode

	RED	WHITE (1)	
	MODE	SRS	EDM
AUTOMATIC	0 Volt	X	✓/X
MANUAL NC		>	✓/X

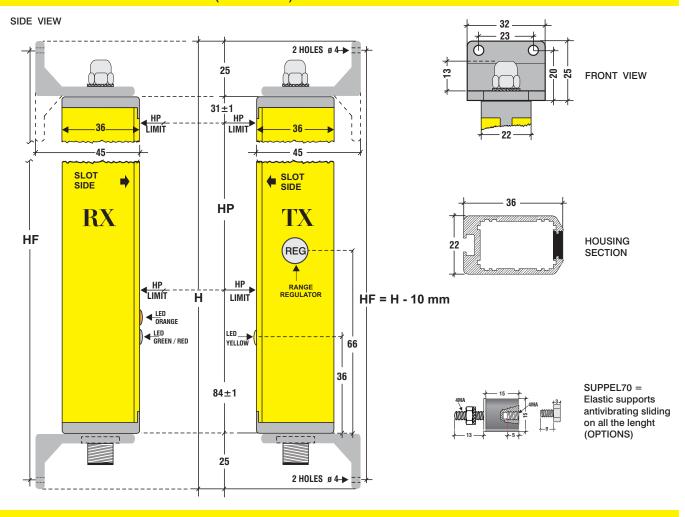
(1)Leave close if not used

To connect the TX refer to the diagram on page 2

CONNECTION ELECTRIC DIAGRAM (model Type 4 with option SRS/EDM)







0	PT	101	NS	(°°)

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 UNBREAKBLE for enclosures

HOW TO ORDER

Product Code OPT3-SMC-P320-0640	Distance L	Mounting SMO	OPTIONS (°°) 	Maximum Range between TX and RX NR = HP 6 meters MR = 6 16 meters HR = 16 30 meters
	To be indica		The Light Curtain vimmediate adjustm	

<u>Example</u>: OPT3 SMC-P320-0640 - 1000 - NR - SMO - SRS/EDM



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