

Safety detection solutions

Safety modules and associated single-beam photo-electric sensors with a test input, with built-in muting function

Safety modules

The **XPSCM1144** and **XPSCM1144P** safety modules are designed for monitoring single-beam photo-electric sensors with a test input, with built-in muting function.

- Maximum level of safety: PL = c, category 2 conforming to EN/ISO 13849-1, SILCL1 conforming to EN/IEC 62061 (1).
- Rated supply voltage: 24 V $\overline{\text{---}}$ (voltage limits: - 20...+ 20%).
- Operating temperature range: - 10...+ 55°C.
- Degree of protection: IP 20 (terminals), IP 40 (housing) conforming to IEC/EN 60529.
- Number of safety outputs: 2 (NO, volt-free).
- Additional outputs: 4 solid-state outputs (NO, 24 V $\overline{\text{---}}$ /20 mA).

Description	Response time (t _r)	PFH _D (2) IEC 61508 ms	Type of terminal block connection	Reference	Weight kg
Safety modules	< 25 ms	3.12 x 10 ⁻⁷	Integrated in module	XPSCM1144	0.350
			Removable from module	XPSCM1144P	0.350

Single-beam photo-electric sensors with a test input

- Maximum level of safety: PL = c, category 2 conforming to EN/ISO 13849-1, Type 2 conforming to IEC 61496-1 and IEC 61496-2 (1).
- Rated supply voltage: 12...24 V $\overline{\text{---}}$, with protection against reverse polarity.
- Operating temperature range: - 25...+ 55°C.
- Degree of protection: IP 67, conforming to IEC/EN 60529.
- Type of transmission: infrared.
- PFH_D (2): 4.5E⁻⁷ (5.5E⁻⁷ with the muting function), conforming to EN/IEC 61508.
- Maximum sensing distance: 8 meters.

Description	Line of sight	Connection	Reference	Weight kg
PNP thru-beam pair (transmitter + receiver) Light or dark programmable switching	Along case axis	Pre-cabled, L = 5 m	XU2S18PP340L5	0.485
		M12 connector	XU2S18PP340D	0.155
		90° to case axis	Pre-cabled, L = 5 m	XU2S18PP340WL5
		M12 connector	XU2S18PP340WD	0.155
Thru-beam transmitter only	90° to case axis	M12 remote connector L = 0.8 m	XU2S18KP340WLDT	0.200
PNP thru-beam, receiver only	90° to case axis	M12 remote connector L = 0.8 m	XU2S18PP340WLDR	0,200
Other versions	Pre-cabled sensors with other cable lengths. Please contact our Customer Care Center.			

(1) With an appropriate, correctly connected control system, combined with the **XPSCM1144** or **XPSCM1144P** safety module.

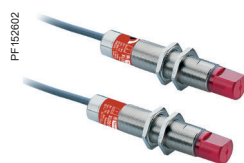
(2) PFH_D: Probability of dangerous failure per hour.



XPSCM1144●



XU2S18PP340L5



XU2S18●P340WL5