




EU Declaration of Conformity (DoC)

MANUFACTURER - COMPANY NAME, FULL POSTAL ADDRESS (INCLUDE COUNTRY OF ORIGIN AS THE ADDRESS): SENSE ELETRÔNICA LTDA., Avenida Joaquim Moreira Carneiro, 600,Santana District, Santa Rita do Sapucaí, MG, ZIP Code 37537-164, Brazil
If applicable, AUTHORIZED REPRESENTATIVE – NAME, COMPANY NAME, FULL POSTAL ADDRESS (INCLUDE COUNTRY OF ORIGIN AS THE ADDRESS): Dipl. Ing. Christian Kröpfl TE Connectivity Austria GmbH Schrackstr. 1, 3830 Waidhofen Thaya Austria

Certificate Number:
CB2-00004

Declare, under our sole responsibility, that the product(s):

Product Description	Trademark or Brand name
Standard M18 Tubular Photoelectric Sensors , designed to manipulate the light in order to detect the presence of objects.	

to which this Declaration of Conformity relates, in the form as delivered, are in conformity with the provisions of the following European Directive(s):

Applicable	Directives	Page	Revision
<input checked="" type="checkbox"/>	2014/30/EU Electromagnetic Compatibility (EMC)	2	1
Technical Documentation		A-C	1

SIGNED BY OR ON BEHALF OF THE MANUFACTURER AS AUTHORISED REPRESENTATIVE:



Dipl.-Ing. Christian Kröpfl
NAME and SIGNATURE

Sr Mgr R&D/Product DVL Engineering
TITLE

18.08.2025
DATE

The declaration certifies the conformity to the specified directives but contains no assurance of properties. The safety documentation accompanying the product shall be considered in detail.



Certificate Number:
CB2-00004

EU Declaration of Conformity (DoC)

We, the undersigned, declare sole responsibility that the product to which this declaration relates is in conformity with essential and other relevant requirements given below.

PRIMARY DIRECTIVE CONFORMANCE THAT IS BEING DECLARED

2014/30/EU - Electromagnetic Compatibility (EMC)

MANUFACTURER OR AUTHORIZED REPRESENTATIVE -
COMPANY NAME, FULL POSTAL ADDRESS (INCLUDE COUNTRY OF ORIGIN AS THE ADDRESS):
See Cover Page

PRODUCT NAME OR DESCRIPTION OF PRODUCT:
Standard M18 Tubular Photoelectric
Sensors

TRADE NAME, TYPE OR MODEL:
See Appendix 1

DIRECTIVES AND STANDARDS BEING DECLARED AS CONFORMING, POSSIBLY DECLARED AS ESSENTIAL BY THE PRIMARY DIRECTIVE:

2014/30/EU : Electromagnetic Compatibility (EMC)

EN 60947-5-2:2020 Low-voltage switchgear and controlgear - Control circuit devices and switching elements.
Proximity switches

IEC 60947-5-2: Low-voltage switchgear and controlgear - Control circuit devices and switching elements. Proximity
switches

TECHNICAL FILE HELD BY: Sense Eletrônica – Engineering Department, Rodrigo Paduan

PLACE AND DATE OF
ISSUE OF THIS DoC:

PLACE: TE Connectivity Austria GmbH
Schrackstraße 1, 3830 Waidhofen/Thaya

DATE: 2025-08-14



Certificate Number:
CB2-00004

10. Appendix 1

OS 300 - 18 G I 70 - A2 - J - 6

Sensor Type

OS - Photosensor

OR - Reflective

TR - Barrier

Sensing Distance

Photosensor	Reflective	Barrier
	* 2KF - 2	10K - 10
100 - 100 mm	meters	meters
300 - 300 mm	4K - 4 meters	20K - 20
500 - 500 mm		meters

Note *: F = polarized filter

Tube Diameter

18 - M18x1

Tube

G - Threaded tube

Tube Type

I - Nickel plated brass, illuminated back

P - Plastic

Tube Length

70 - 70 mm

80 - 80 mm

Output Type

A - Direct current 4 wire NPN NO+NF

A2 - Direct current 4 wire PNP NO+NF

Sensitivity Adjustment (field not available for M12 models)

J - Sensitivity adjustment

Electrical Connection

__ - 2 meters PVC cable

6 - 6 meters PVC cable

10 - 10 meters PVC cable

15 - 15 meters PVC cable

20 - 20 meters PVC cable

25 - 25 meters PVC cable

V1 - M12 connector - 4 pin male

Table 01 - Standard M18 Tubular Photoelectric Sensors Code Key CE Certification