

SIL-laserline SERIES

ISTRUCTION MANUAL

DESCRIPTION

The SIL-laserline is a laser line emitter suitable to industrial vision applications. The powering of the laser is controlled by the STROBE input (TTL, high level active), modulable up to 20 KHz.

The SIL-laserline is a general-purpose emitter, but it has been developed to be easily connected and to function with the DATALOGIC AUTOMATION SCS1 Smart Camera.

SAFETY PRECAUTIONS

All the electrical and mechanical safety regulations have to be respected during sensor functioning.

The sensor has to be protected against mechanical damage.

Apply the labels supplied in a visible position near the laser emission beam.

Do not stare directly into the laser beam!

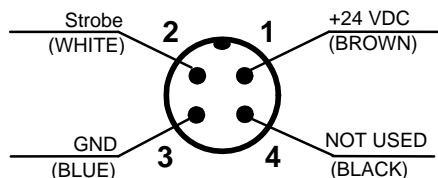
Do not point the laser beam towards people!

Eye irradiation superior to 0.25 seconds is dangerous. Please refer to the Class 3 A (EN60825-1) Standard.

These sensors are cannot be used for safety applications.



CONNECTIONS



APPLICATION NOTE

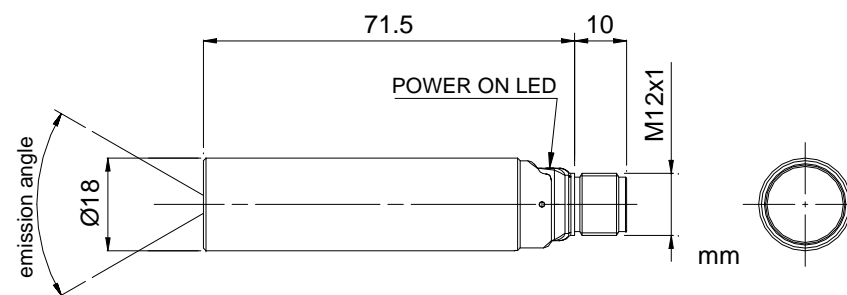
In order to connect SCS-Laserline to SCS1 Smart Camera, please use SCS-AB1-02-B-01CABLE.



TECHNICAL DATA

Power supply:	+24 VDC ±20%
Current consumption:	60 mA max.
Strobe signal (required):	0...30 V
Strobe frequency:	0...20 KHz
Emission type:	Laser 650 nm Class 3A
Indicator:	POWER ON LED
Emission angle:	90° max.; 50° @50% optical power peak
Operating temperature:	-10 ... 55 °C
Storage temperature:	-25 ... 70 °C
Housing material:	Alluminium
Mechanical protection:	IP65
Connections:	M12 4-pole connector
Weight:	50 g. max.

DIMENSIONS



DECLARATION OF CONFORMITY

We DATALOGIC AUTOMATION declare under our sole responsibility that these products are conform to the 2004/108/CE and successive amendments.



WARRANTY

DATALOGIC AUTOMATION warrants its products to be free from defects.

DATALOGIC AUTOMATION will repair or replace, free of charge, any product found to be defective during the warranty period of 36 months from the manufacturing date.

This warranty does not cover damage or liability deriving from the improper application of DATALOGIC AUTOMATION products.

DATALOGIC AUTOMATION

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