




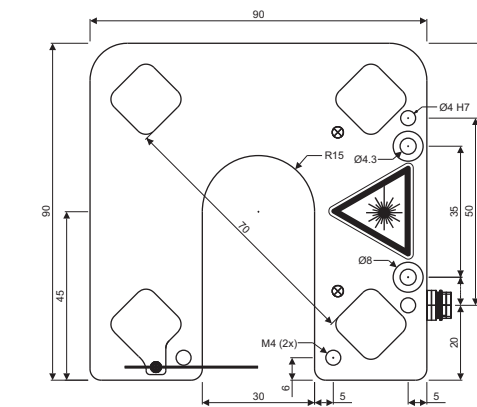
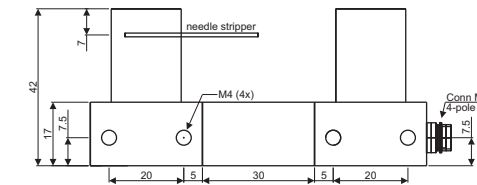
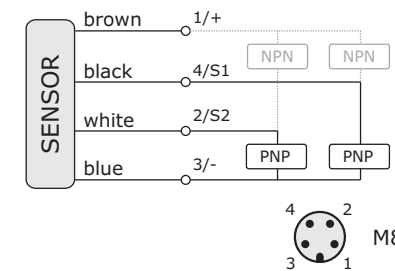
MOST RELIABLE SENSOR TECHNOLOGY

**Xecro** is able to accomplish specific customer requirements in the area of optical sensors quickly and reliable thanks to our flexible corporate structure.

**Robotics Point-of-Origin Unit**

This POU from **Xecro** has been designed for robots and other automatic 3-axis-systems in gluing and potting processes. It provides two precisely mounted, independent, highspeed laser light barriers. Time consuming calibration and complicated fitting is not necessary. Due to the raised laser domes and the performance of the barriers, the robot can pass the center point at full speed, enabling the controller to verify or re-align its point of origin without interrupting the operation.

 The use of this sensors is not permitted if the safety of people is relying upon it.



POU 9042...

Operating Voltage	10... 35 Vdc
Current Consumption	< 50 mA
Output Current	2x 200 mA, short-circuit-proof
Voltage Drop	2.5 V @ 200 mA
Switching Frequency	10 KHz
Sensitivity	Ø 0.2 mm
Switching Hysteresis	< 0.01 mm
Repeatability	0.01 mm
Operating Temperature	-10... +60 °C
Ambient Light Immunity	50.000 lux
Isolation Voltage	500 V
Protection Class	IP 67
Housing Material	Aluminium
Optical Elements	Laser, Class 2
Weight	

Article code	
PNP, NO	POU 9042 PO / M8
PNP, NC	POU 9042 PC / M8
NPN, NO	POU 9042 NO / M8
NPN, NC	POU 9042 NC / M8

Rcmd. connecting cable

M8/4...

## Robotics Point-of-Origin Unit

OPTICAL



## ABOUT

**Xecro** is an independent company. We develop, produce and market industrial sensors and general industrial electronics. Our portfolio is divided into two main areas:

General use sensors built to a very high technical standard in conjunction with first class housing units. Details of these products can be found in the 'Products' category on our website at [www.xecro.com](http://www.xecro.com).

Products which are specially developed in accordance with our customers requirements. These highly specialised systems are not featured in our catalogue.

**Xecro** is able to accomplish specific customer requirements in the area of inductive, capacitive and optical sensors quickly and reliable thanks to our flexible corporate structure.

We could develop a customised system for your business too based on the following technology:

- Optical, dirt resistant sensors
- Optical, high temperature resistant sensors
- Capacitive high temperature resistant sensors
- Inductive sensors, pressure resistant
- Inductive sensors, high temperature resistant
- Inductive sensors, low temperature resistant
- Inductive sensors, beyond (!) military standard
- Inductive sensors, certified for aviation use
- Industrial control equipment
- General industrial electronic. e.g.
  - Control units
  - Equipment with Profibus
  - Equipment with DeviceNet
  - ...

The special housings are designed in 3D. IGES or STEP files can be provided in advance to check that the later integration is possible.