

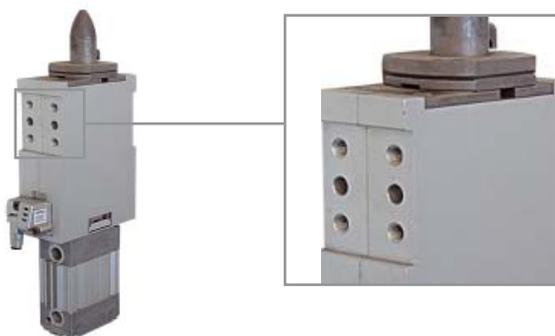
# Pneumatic pin clamps

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The handling, positioning as well as the maintenance operations have to be carried out by observing all conditions which guarantee the security of the staff and only by authorized personnel. The residual risks regarding the sole maintenance phase consist in the squashing of the upper parts of the operator's body against the unit. As a preventive measure an appropriate signalling or an adequate security system placed near the dangerous areas and which have to be installed by the user will alert the operator.

## > Fixing instructions

The fixing of the unit to the equipment can be carried out by using the front or rear part of the housing of the clamp. Before installing the retractable locating pin unit make sure that it hasn't been damaged during transport or handling operations.



### ■ Fixing

- Insert two hardened and grinded Ø8H7 pins into the special seats such as to locate the clamp
- Fix it steadily by using the indicated M8 screws, and make sure that they are about 12 mm deep in the thread holes, limiting the tightening torque by 15 Nm

## > Instructions for the connection of the clamp to its energy source

Connect the sensor of the clamp to its electric supply unit.  
 Then connect the pneumatic tube by means of suitable pneumatic fittings according to the specification below:

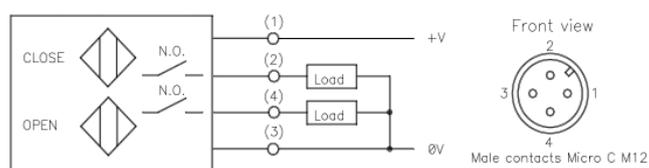
LUP63 series G1/8" fittings  
 LSP50G, LSP50U, LTP50T series G1/4" fittings

Operating pressure from 4 to 8 bar

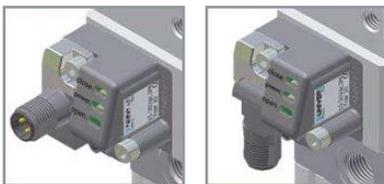
## > Electrical sensor

### ELECTRIC FEATURES

Supply voltage	10 ÷ 30 Vdc
Supply current without load	< 20 mA
Rated operational current	Max 30 mA
Output logic	PNP N.O.
Led- supply	green
Led- close position- pin 2	red
Led- open position- pin 4	yellow



#### ■ How to orientate the connector



1. Unscrew the screw of the connector
2. Open the cover
3. Rotate the connector
4. Close the cover and screw it

#### ■ How to replace the sensor

1. It is not necessary to remove the air supply
2. Unscrew the sensor's screw
3. Insert a new sensor
4. Screw the sensor to its housing

#### > Type and frequency of controls and/or maintenance work

The unit has been designed and constructed in such a way that specific programmed maintenance is not necessary; anyway, a monthly external cleaning of the welding deposits with suitable, not aggressive and not corrosive detergents is recommended.