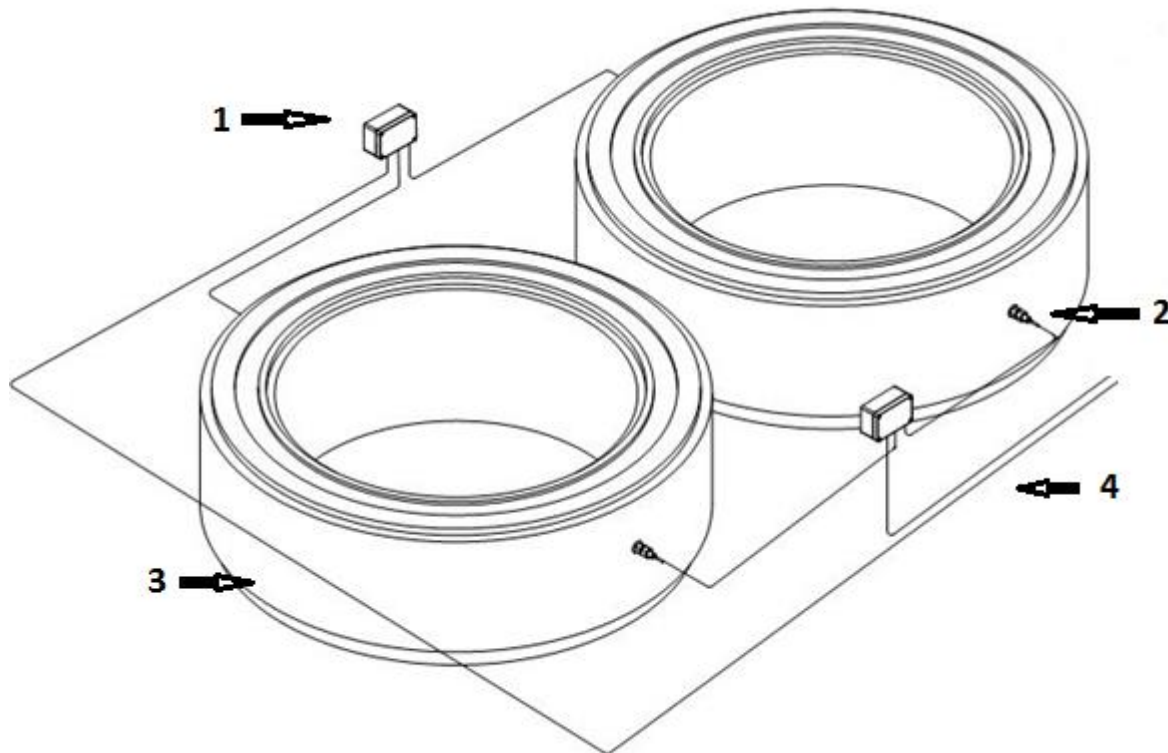




# CLTS light system configuration

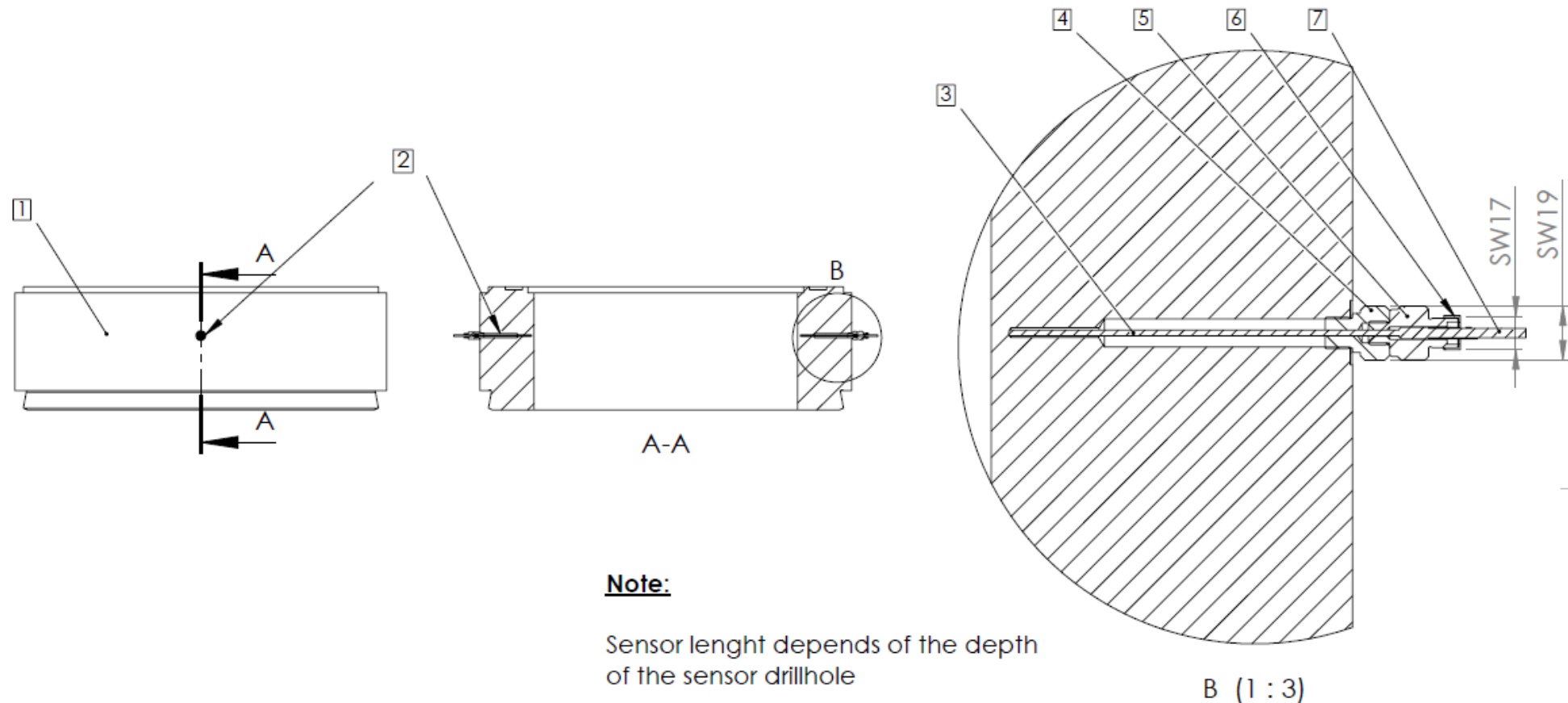
## CLTS Light system over view



Sensor with mounting adapter, cable and protection hose

1. Sensor boxes for connection sensor 3-wire cables  
Sensors are not mounted directly at the cylinder liners!  
Mounting place is to choose according cable length and situation at site
2. CLTS sensor mounted with 4 or 7m cable and protection hose
3. Cylinder liner

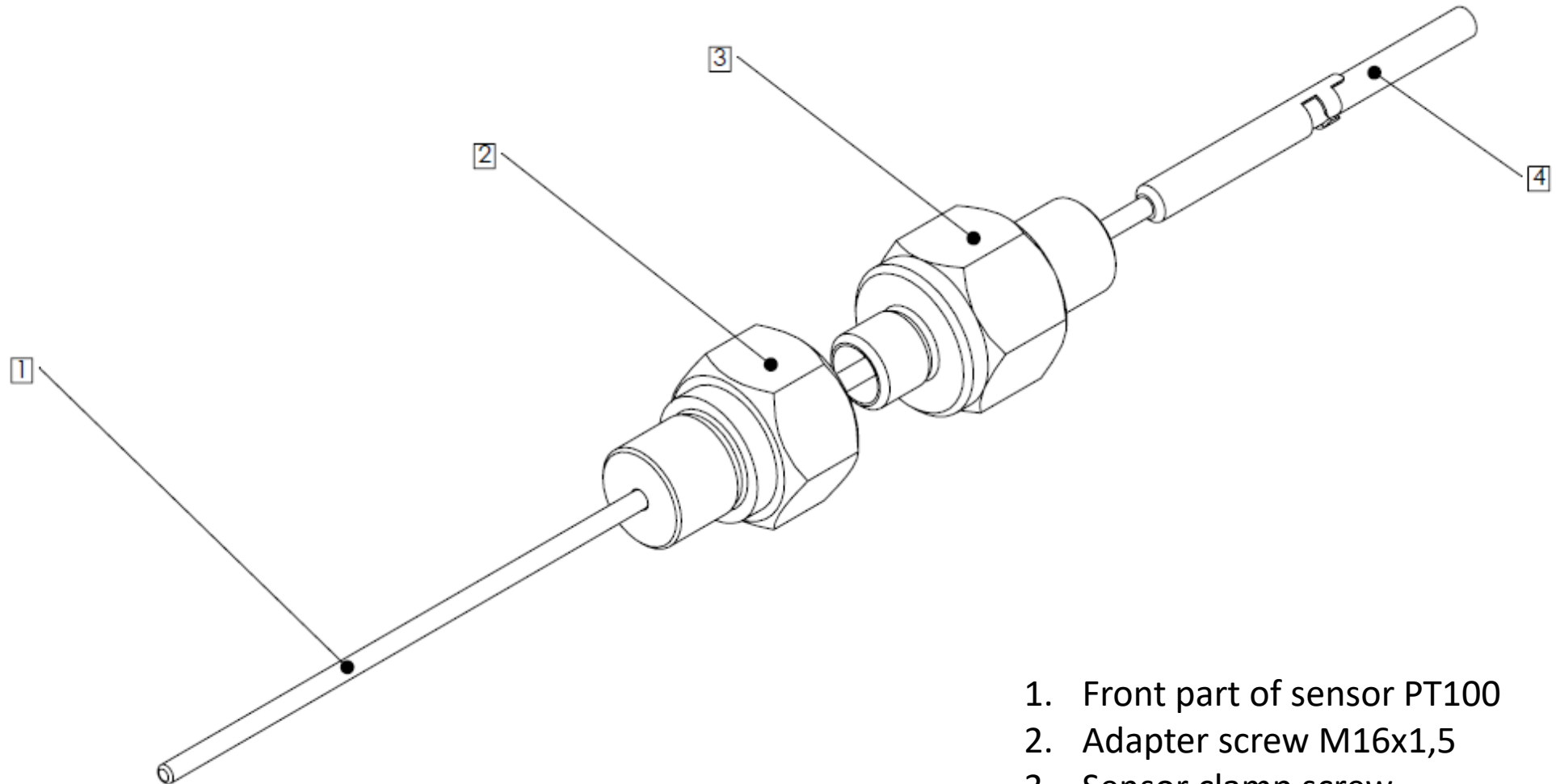
## CLTS Light mounting of sensor to the cylinder liner



- |                           |                                  |                             |
|---------------------------|----------------------------------|-----------------------------|
| 1. Cylinder liner         | 2. Threaded hole for CLTS sensor | 3. CLTS PT100 sensor        |
| 4. Sensor adapter M16x1,5 | 5. Clamp screw for sensor        | 6. Screw for armoured cable |
| 7. Sensor cable           |                                  |                             |

Mounting proposal. Mounting can be also vertical or declined to horizontal as engine maker may change their liner design.

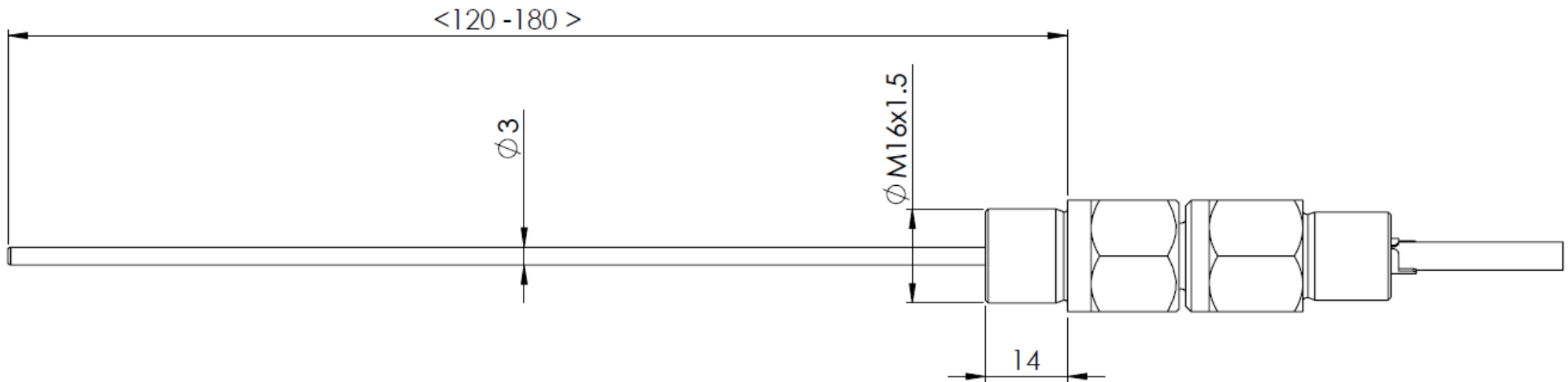
## CLTS Light sensor overview



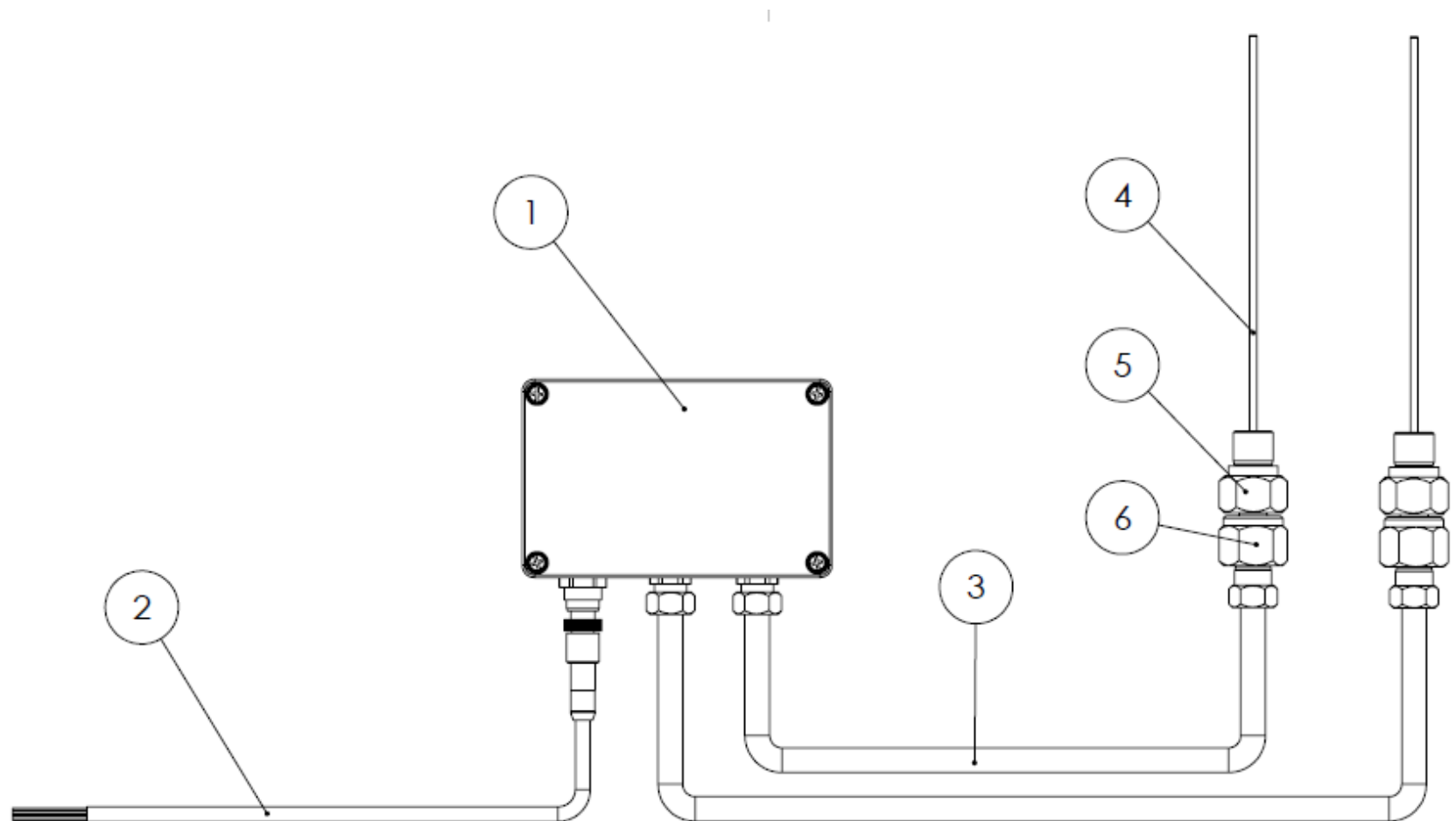
1. Front part of sensor PT100
2. Adapter screw M16x1,5
3. Sensor clamp screw
4. Sensor cable (PTFE)

## CLTS Light sensor dimensions

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## CLTS Light parts overview



1. Sensor box

4. CLTS sensor (PT100)

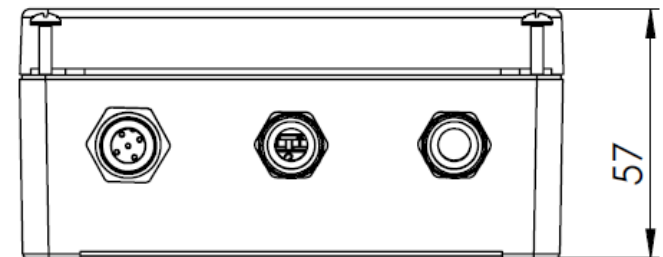
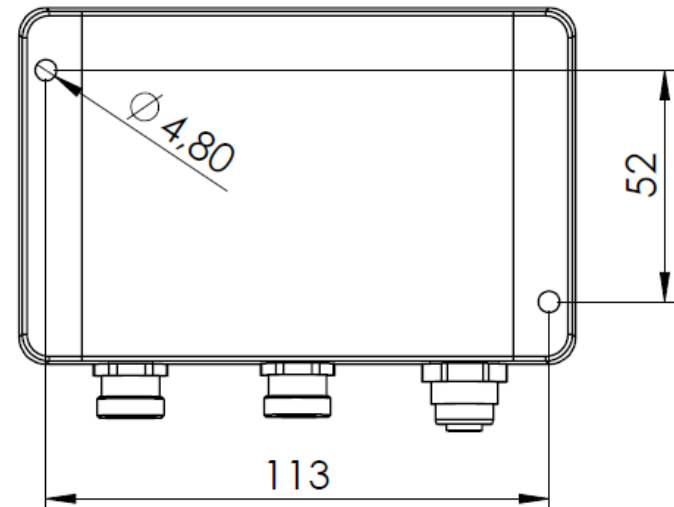
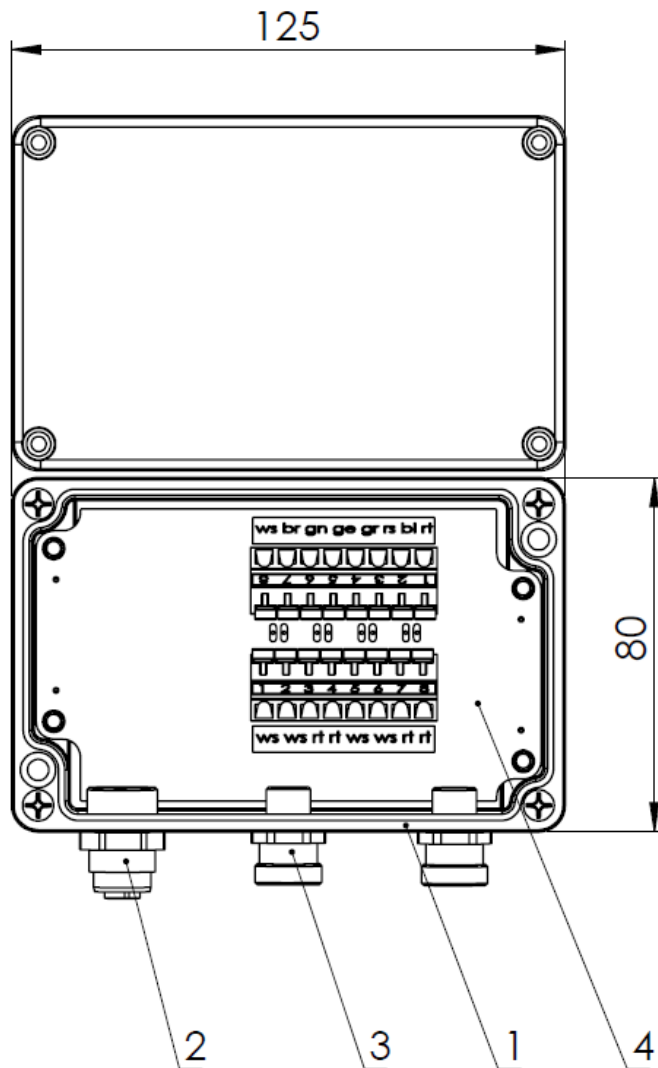
2. Connection cable to AMS

5. Adapter screw M16x1,5

3. Sensor cable

6. Sensor clamp screw

# CLTS Light sensor box

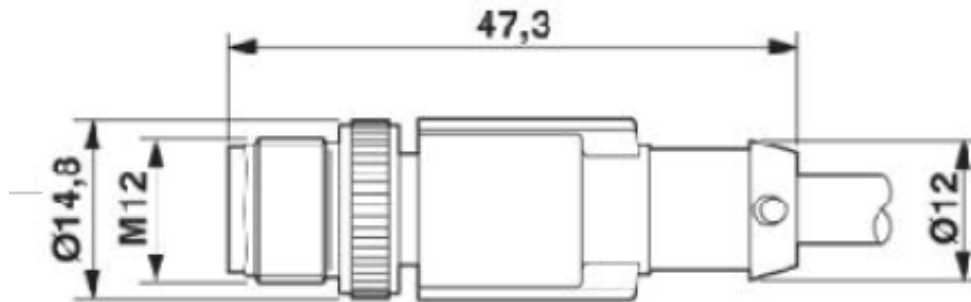


1. Sensor box
2. M12 connector for output signals
3. Cable glands for sensor input
4. Printed circuit board

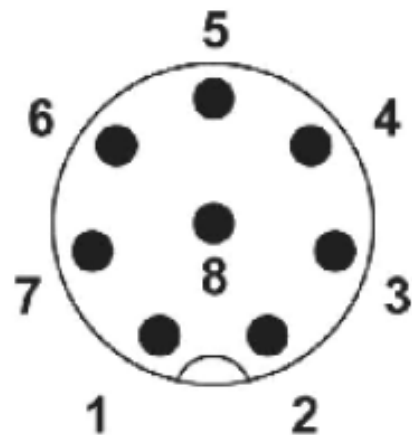


## CLTS Light connection of sensor box to AMS

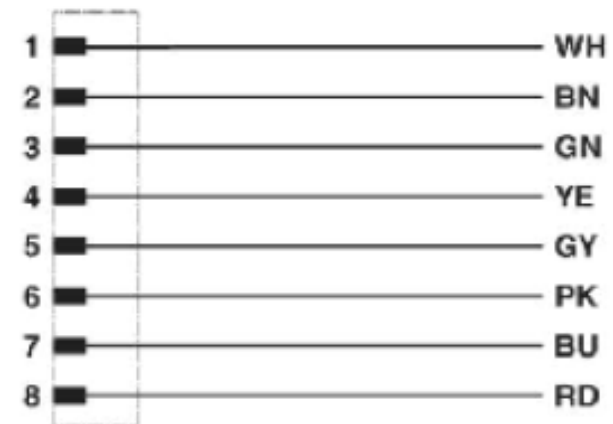
### Drawings



Dimensional drawing



Pin assignment M12 plug, 8-pos., view plug side

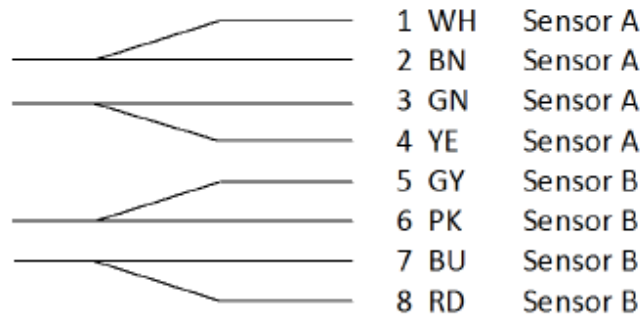


Circuit diagram

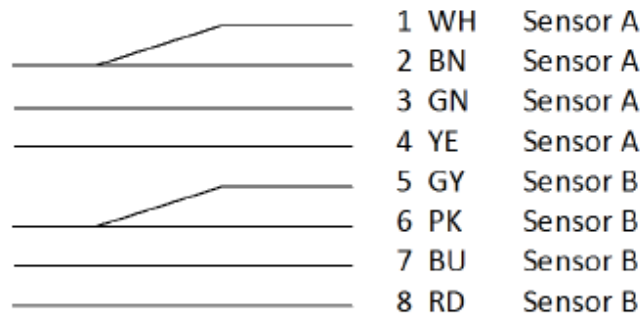


## CLTS Light connection of sensor box to AMS, connection diagram

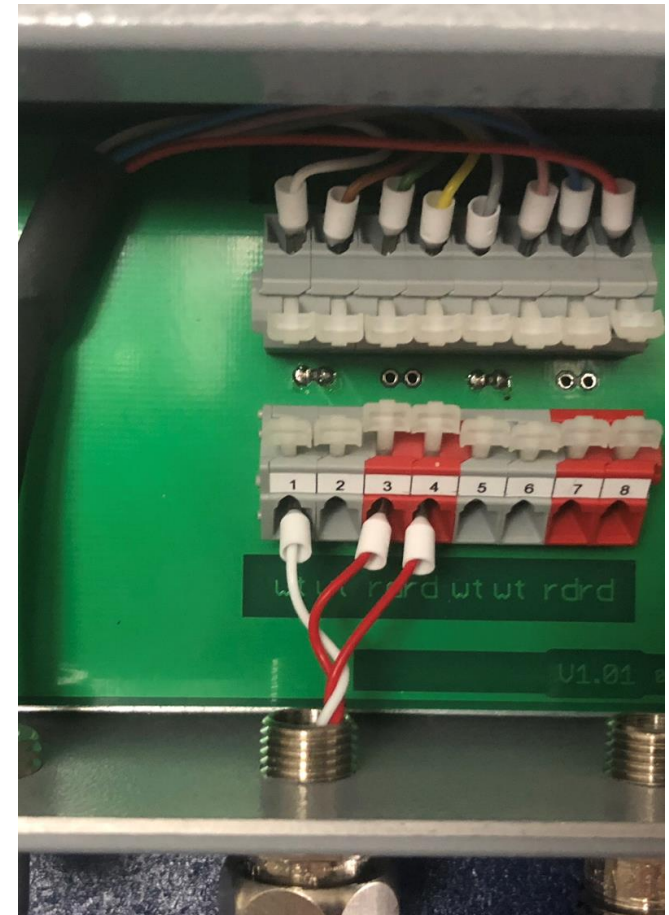
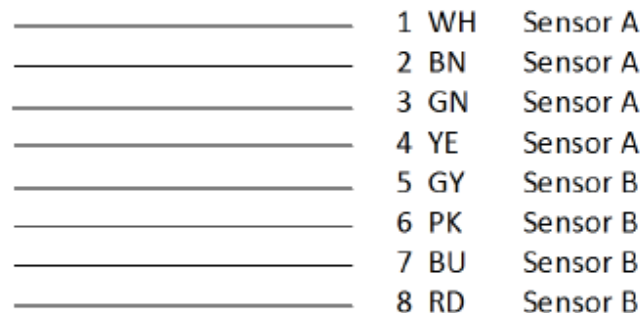
### 2wire connection of PT-100 temperature sensor



### 3wire connection of PT-100 temperature sensor



### 4wire connection of PT-100 temperature sensor



Sensor is used normally in 3-wire connection as shown in the picture