



### 1. Oil detection on metal pins

An oil film on metal pins should be detected. For this purpose, a double contrast sensor type **SPECTRO-2-FIO-(IR2+IR4)/IR** in connection with an optical fiber type **R-S-A3.0-(3.0)-1200-Y-67°-(1P+1BP)/2P** is used. At this, the distance from the optical fiber front end to the metal pin surface is approximately 5mm and the spot size at this distance is around 5mm in diameter. The presence of an oil film can be proper detected as shown in the screen shots.

