



1. Detection of fluorescent lubricant on metal pins

Fluorescent lubricant should be detected on metal pins. For this purpose a color sensor type **SPECTRO-3-FIO-UV** in connection with an external lightning source type **ELS-UV-1P** and an optical fiber type **R-S-R2.1-(6x1)-1200-Y-22°/67°-UV** with an optical frontend type **KL-8-R2.1** will be used. The distance of the frontend to the metal pin is approximately 15mm and the spot size at this distance is around 6mm x 1mm. The presence of the lubricant can be proper detected as shown in the screenshots.

