



N°398 SPECTRO-3 series

1. Presence control of small metal plates on a copper contact

The presence of a small and thin metal plate should be detected. For this purpose a color sensor type **SPECTRO-3-FIO-SL** in connection with an optical fiber **R-S-A2.0-(2.5)-1200-67°** and an optical frontend type **KL-M12-XL-A2.0** are used. The distance of the frontend to the metal plate is around 22 mm and the spot size at this distance has a diameter of approximately 1.5mm. Furthermore, the frontend is directed under an angle of 25° (in relation to the tangential) onto the object. As shown in the screenshots, the metal plate can be proper detected.

