

### 1. Optical frontend type KL-D-85/5°-POL-A3.0

The optical frontend type **KL-D-85/5°-POL-A3.0** is equipped with two polarization filters. It carries the two ends of the optical fiber type **D-S-A3.0-(3.0)-...** At this, the polarization direction of the polarization filters is turned by 90° against each other. Thus, direct reflected light cannot pass the receiver path which leads to an improvement of color detection or contrast detection of shiny objects. The frontend can be used at a small distance to the object (a few mm) up to a roughly 30mm (depends on the brightness of the surface of the adequate object).

