

- ▶ **COMPACT** optosensor with integrated amplifier
- ▶ **Efficient geometrical background suppression**
- ▶ **Robust, metal housing**
- ▶ **Compact, especially flat housing**
- ▶ **Adjustable sensing distance**

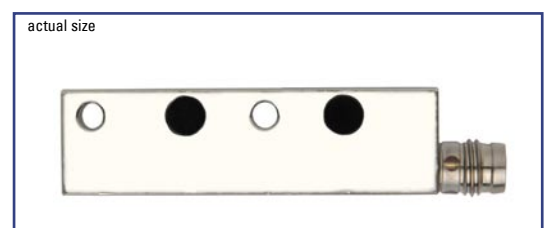


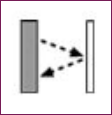
**REFLECTIVE BEAM SENSOR  
with background suppression**

▶ **TECHNICAL DATA**

| MODEL                 | RLV74V/S81                             |
|-----------------------|--|
| Light type            | Infrared 880nm                         |
| Operating temperature | -10°C bis +55°C                        |
| Protection class      | IP65                                   |
| Sensing distance*     | 8mm to 20mm, adjustable                |
| Functional principle  | modulated                              |
| Switching function    | light-on                               |
| Frequency response    | 500Hz                                  |
| Function indicator    | LED red (in connector)                 |
| Operating voltage     | 10...30VDC, reversed polarity protect. |
| Current consumption   | 30mA                                   |
| Connection type       | connector M8, 3-pin                    |
| Dimensions            | 14mm x 8mm x 59mm                      |
| Housing material      | nickel-plated brass                    |
| Mounting              | for gluing and clamping fixture        |

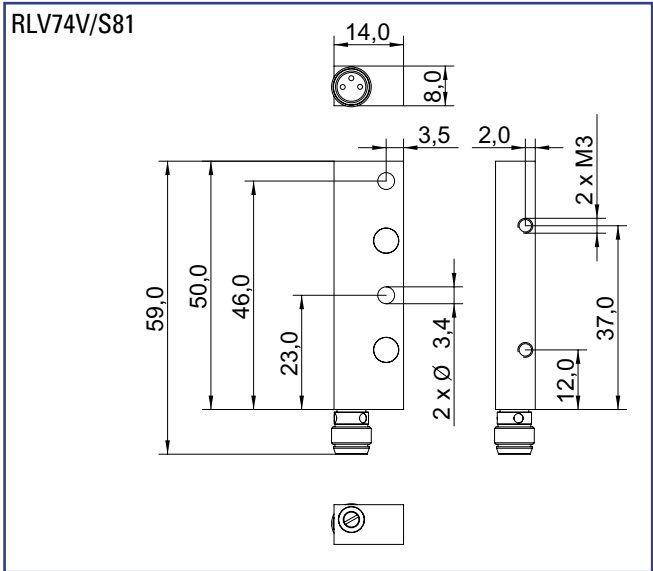
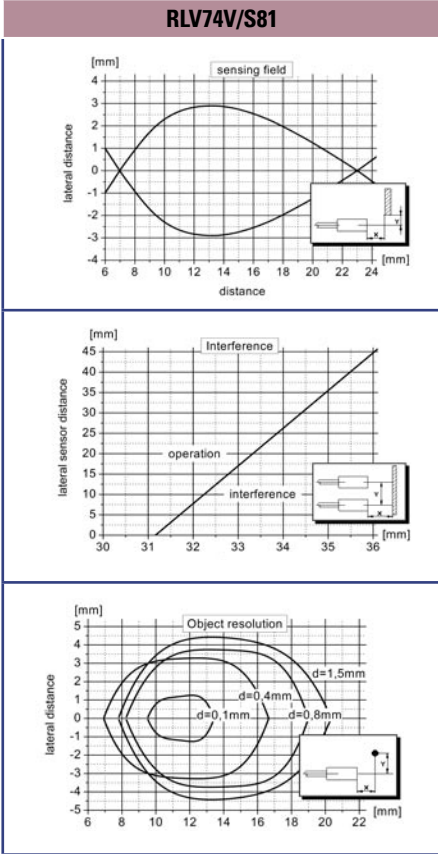
\* on white non glossy paper (90% remission, 100x100mm)





► **GRAPHS** (All Graphs showing typical data with STM amplifier.)

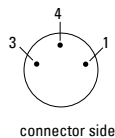
► **DIMENSIONS** Measurements in mm. Subject to technical change.



► **PIN CONNECTION**

option - 0: M8, 3pin (standard)

- 3 + receiver (green)
- 4 GND/shielding (white, black)
- 1 + emitter (red)



**PART DESIGNATION**

|                       |   |          |           |          |            |
|-----------------------|---|----------|-----------|----------|------------|
| <b>RLV74V/S81-BHP</b> | = | Infrared | modulated | light-on | PNP-output |
| <b>RLV74V/S81-BHN</b> | = | Infrared | modulated | light-on | NPN-output |

Please do not forget to order the appropriate power supply cable (see accessories).