

- ▶ **COMPACT** mini-optosensor with integrated amplifier
- ▶ **With standard red light or high definition microSPOT beam for especially precise object recognition**
- ▶ **Adjustable sensitivity via potentiometer**
- ▶ **Cuboid, robust metal housing**
- ▶ **Convenient connection with M8 connectors**



REFLECTIVE BEAM SENSOR with integrated amplifier

▶ **TECHNICAL DATA**

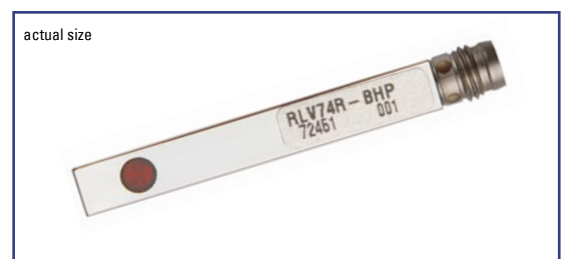
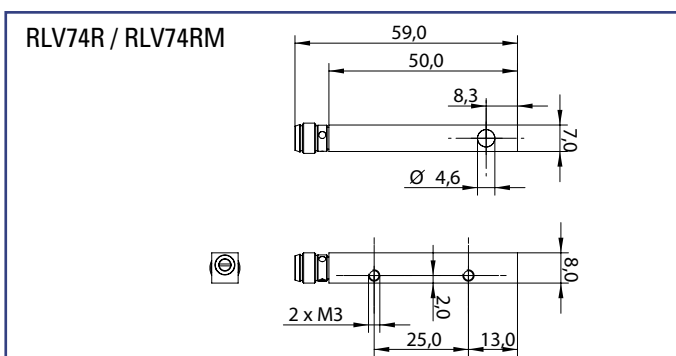
MODEL	RLV74R	RLV74RM
Light type	red 660nm	micro ● SPOT*** 645nm
Operating temperature	-10°C to +55°C	
Protection class	IP65	
Functional principle	pulsed	
Frequency response	500Hz	
Power supply indicator/Signal stability	LED red	
Operating voltage	10...30 VDC reverse polarity protection	
Current consumption	30mA	
Output current	PNP 100mA short circuit proof	
Sensing distance* (not adjustable)	50mm*	
	600mm on reflector R35	800mm on reflector R35
Connector	M8 3pin***	
Dimensions	7mm x 8mm x 59mm	
Housing material	nickel-plated brass	
Mounting	for screw-in fixture	

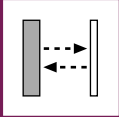
* on white non glossy paper (90% remission, 100x100mm)

** registered Trademark of STM GmbH

*** cable to be ordered separately

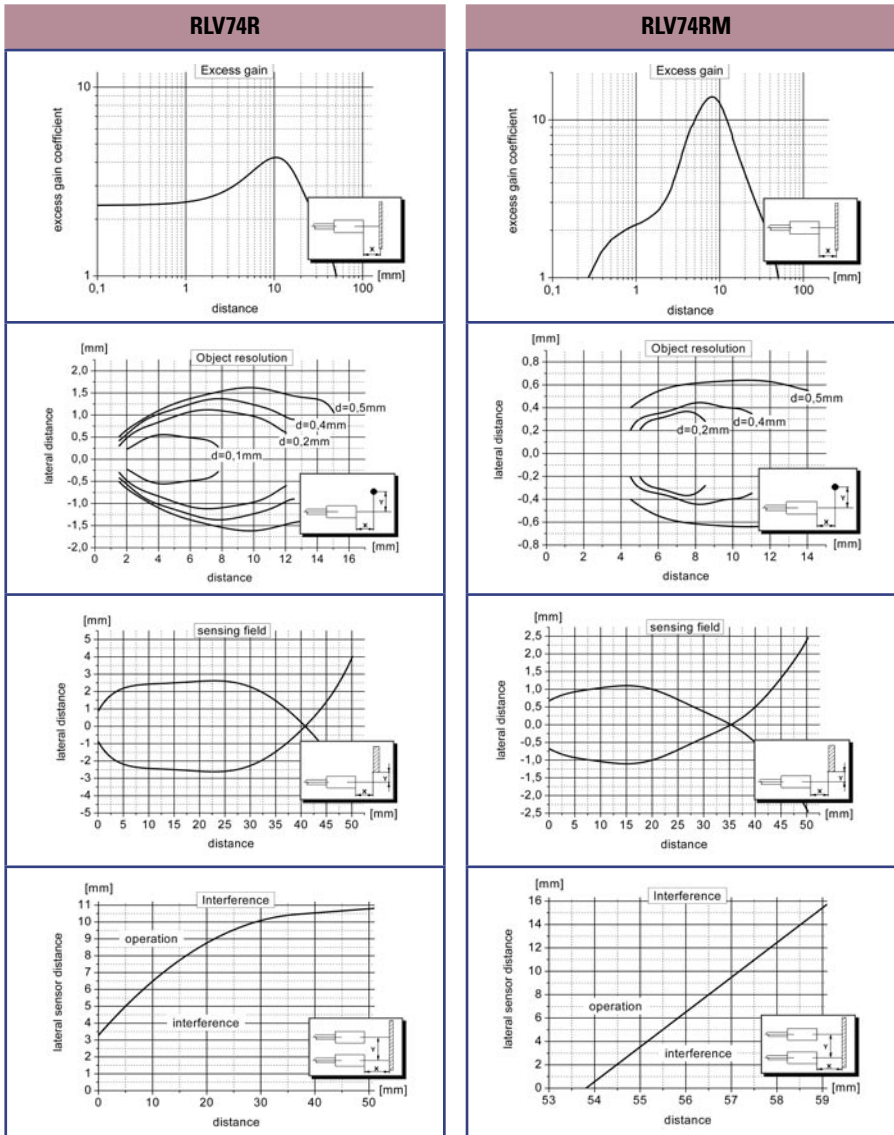
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.



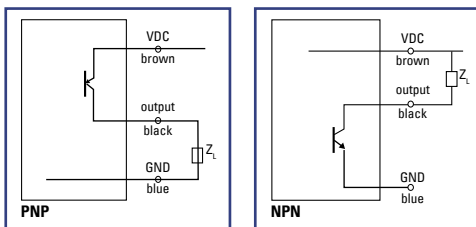


RLV74R | RLV74RM

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



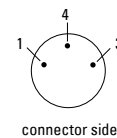
► **CONNECTION-DIAGRAM**



► **PIN CONNECTION**

connector M8, 3pin (standard)

- 1 (brown) + VDC
- 3 (black) signal output
- 4 (blue) - GND



PART DESIGNATION

RLV74R-BHP	= red	pulsed	light-on	PNP-output
RLV74RM-BHP	= micro SPOT®	pulsed	light-on	PNP-output
RLV74R-BHN	= red	pulsed	light-on	NPN-output
RLV74RM-BHN	= micro SPOT®	pulsed	light-on	NPN-output

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