

- ▶ **COMPACT** mini-optosensor with integrated amplifier
- ▶ **Robust** sensor with high-performance optics
- ▶ **The well defined light spot from microSPOT ensures the highest scanning precision – without interfering reflections**
- ▶ **Flexible** connecting cable
- ▶ **Function display** readable from all sides thanks to Ring LED on the cable outlet



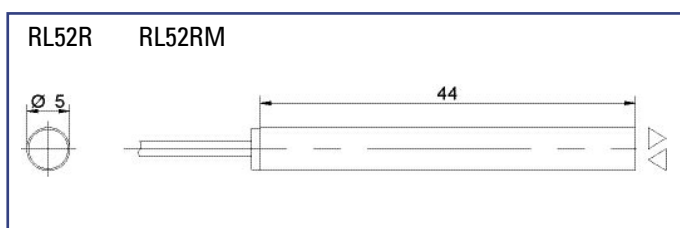
REFLECTIVE BEAM SENSOR with integrated amplifier

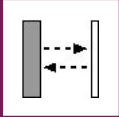
▶ **TECHNICAL DATA**

MODEL	RL52R	RL52RM
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	50mm*	
	600mm on reflector R35	800mm on reflector R35
Lightspot diameter at 50mm	14mm	5mm
Power supply cable (standard)	2m PUR cable 3 x 0,10mm ²	
Dimensions	Ø 5mm x 44mm	
Housing material	stainless steel	
Mounting	for gluing and clamping fixture	

* on white non glossy paper (90% remission, 100x100mm)
 ** registered Trademark of STM GmbH

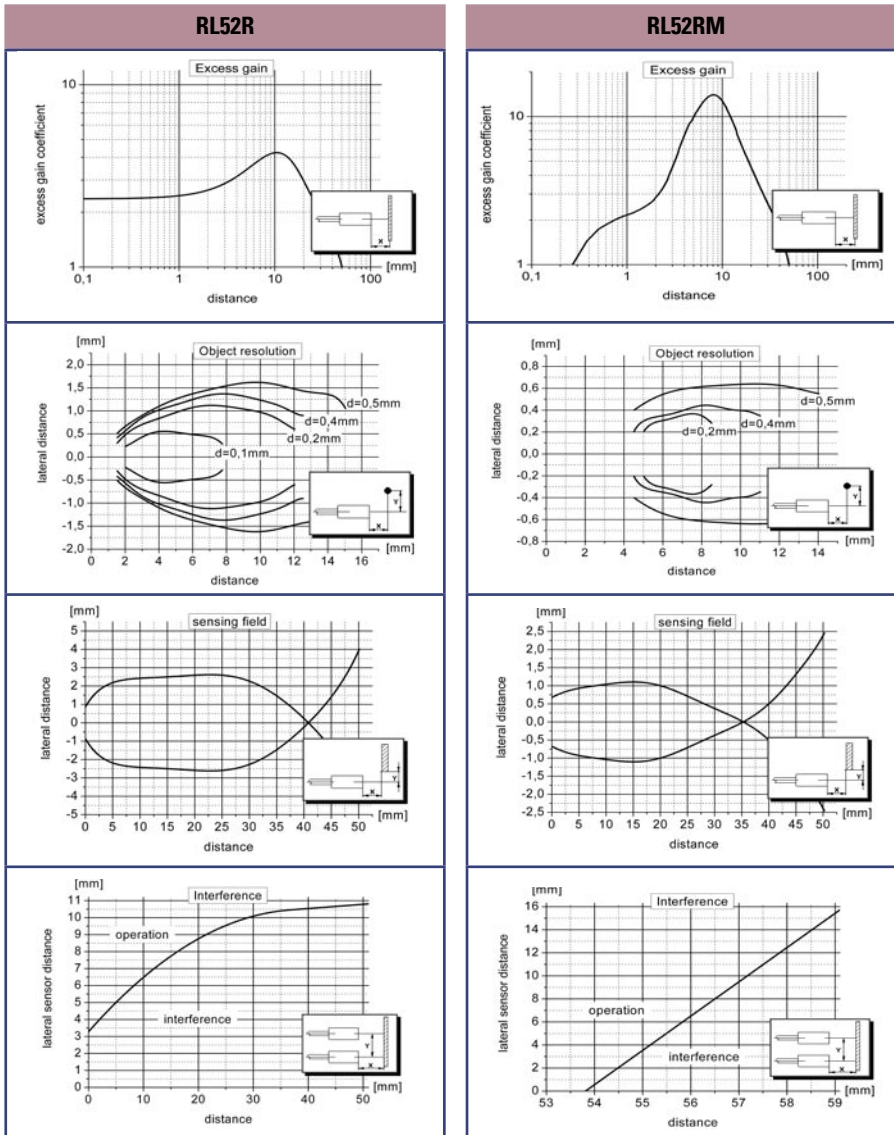
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.



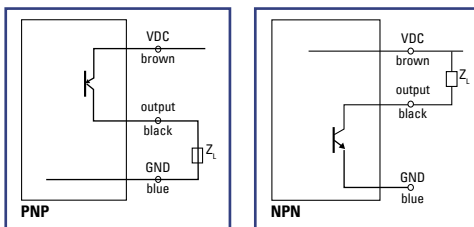


RL52R | RL52RM

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



► **CONNECTION-DIAGRAM**



► **PIN CONNECTION**

PUR-cable, 3pin, 2m

- brown + VDC
- blue - GND
- black signal output

PART DESIGNATION

RL52R-BHP	= red light	pulsed	light-on	PNP-output
RL52RM-BHP	= micro SPOT®	pulsed	light-on	PNP-output
RL52R-BHN	= red light	pulsed	light-on	NPN-output
RL52RM-BHN	= micro SPOT®	pulsed	light-on	NPN-output