

- ▶ **COMPACT** optosensor with integrated amplifier
- ▶ **Long range** – excellent object resolution
- ▶ **Robust stainless steel housing**
- ▶ **With cable connection or M8 connector**



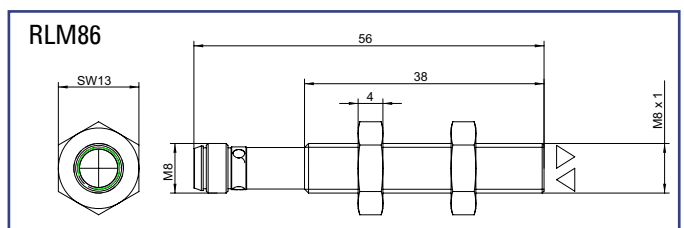
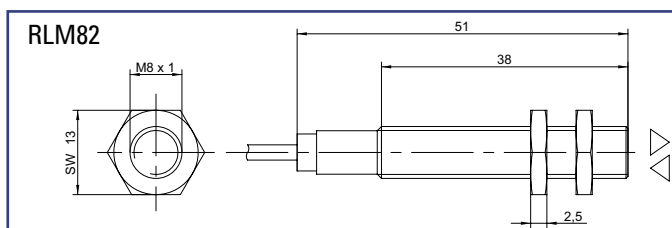
REFLECTIVE BEAM SENSOR with integrated amplifier

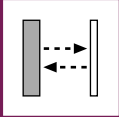
▶ **TECHNICAL DATA**

MODEL	RLM82-BHP	RLM86-BHP
Light type	Infrared 880nm	
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	50mA	
Output current	PNP 100mA short circuit proof	
Hystereses	<15%	
Response time	<1,5ms	
Sensing distance* (not adjustable)	5mm...80mm	
Housing material	stainless steel	
Supply connection	2m PUR cable 3 x 0,10mm ²	connector M8, 3-pin **
Adjustment indicator	LED blinking 2Hz	
Short circuit indication	LED blinking 8Hz	

* on white non glossy paper (90% remission, 100x100mm)
 **cable to be ordered separately

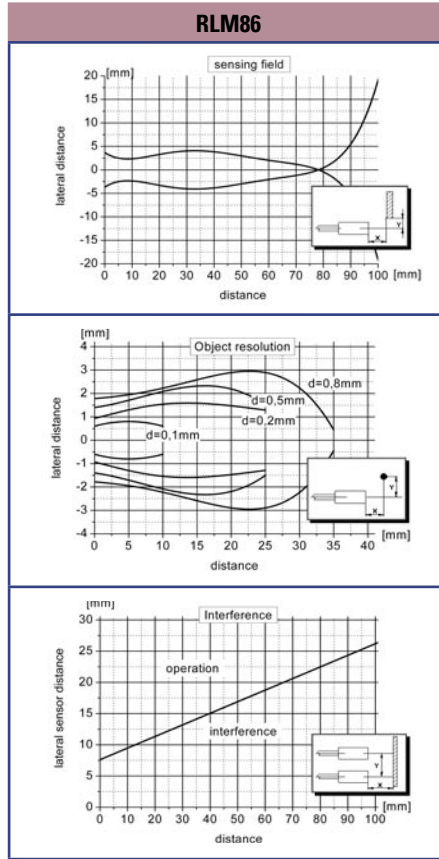
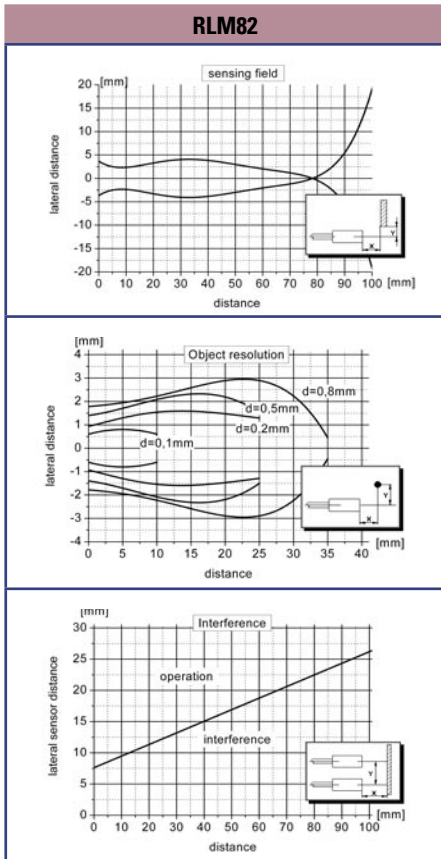
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.



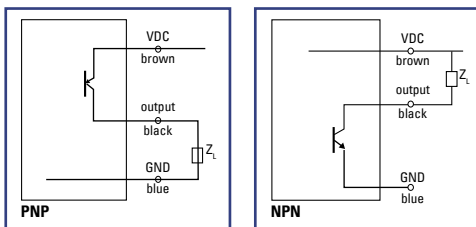


RLM82 | RLM86

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



► **CONNECTION-DIAGRAM**



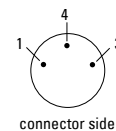
► **PIN CONNECTION**

PUR-cable, 3pin, 2m

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

connector M8, 3pin

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



PART DESIGNATION

RLM82-BHP	= cable	Infrared	pulsed	light-on	PNP-output
RLM86-BHP	= connector M8	Infrared	pulsed	light-on	PNP-output
RLM82-BHN	= cable	Infrared	pulsed	light-on	NPN-output
RLM86-BHN	= connector M8	Infrared	pulsed	light-on	NPN-output

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