

- ▶ **MICROmote®** -sensor for separate amplifier in especially flat design
- ▶ **Space-saving one-point mounting**
- ▶ **Light axis at right angles to the sensor cable**
- ▶ **Thanks to nanoSPOT technology, the perfect light spot minimizes interfering reflections on adjacent surfaces**
- ▶ **nanoSPOT optics provide an extremely low beam angle of 1,5° and guarantee the highest resolution without additional lenses or apertures**
- ▶ **Extra-flexible cable - no installation limitation from minimum bending radius requirements**



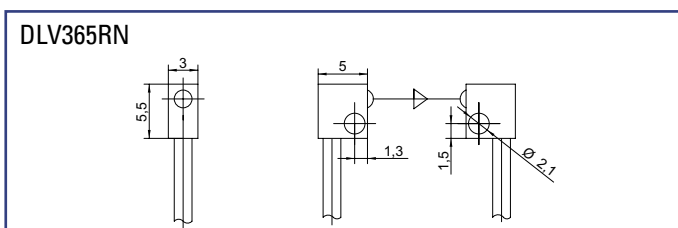
nano • SPOT® **THROUGH BEAM SENSOR**  
for separate amplifier

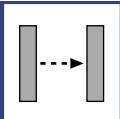
▶ **TECHNICAL DATA**

MODEL	DLV365RN
Light type	nano • SPOT® ** 645nm
Operating temperature	-10°C to +55°C
Protection class	IP65
Sensing distance	800mm
Lightspot diameter at 100mm	3,5mm
Smallest object*	0,03mm
Connection	PUR-cable with connector
Dimensions	3mm x 6mm x 5,5mm
Housing material	nickel-plated brass
Mounting	for screw-in fixture

\* Ø copper wire of infinite length. Depending on adjustment and sensing distance (see graphs).  
 \*\* registered Trademark of STM GmbH

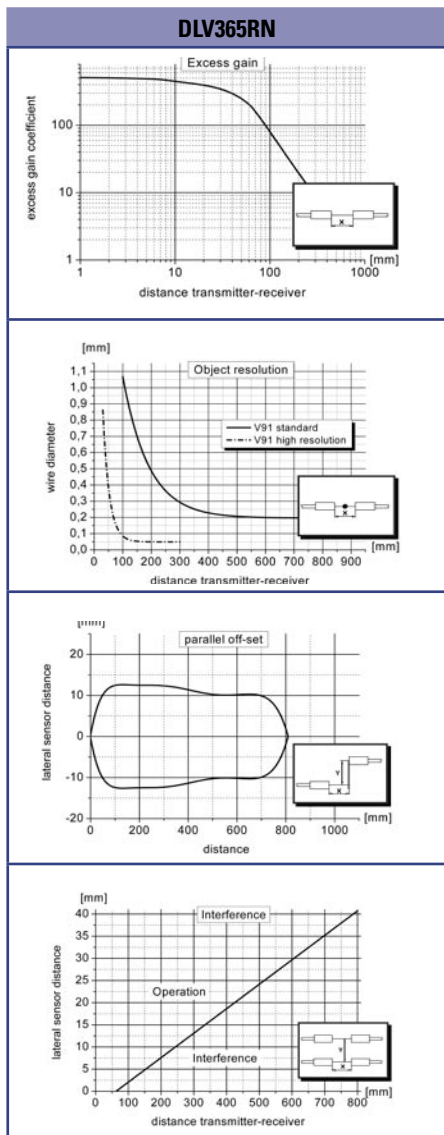
▶ **DIMENSIONS** Measurements in mm. Subject to technical change.





# DLV365RN

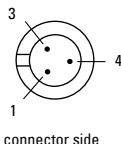
► **GRAPHS** (All Graphs showing typical data with STM amplifier.)



► **PIN CONNECTION**

option - 2: 719, 3pin (standard)

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



► **APPLICATION NOTE**

nanoSPOT sensors feature a very low beam angle and a small light spot. Please provide for an alignment possibility in the design of your setup. Max. deviation of the optical axis from body centerline < 3°.

<b>PART DESIGNATION</b>	<p><b>jacket material</b> P: PUR-cable black ø 1,8mm F: highly flexible PUR-cable red ø 1,1mm</p>	<p><b>connector</b> 2: 719 - connector 3pin special model available on request</p>	<p><b>cable length</b> (specification in [m]) standard length 1m (emitter and receiver side each) special cable length available on request</p>
<b>Model</b>	- [ ] - [ ] : [ ]		
<b>ORDER EXAMPLE</b>	<p><b>DLV365RN - P - 2 : 1m</b> = DLV365 nanoSPOT - PUR-cable black - 719, 3pin : cable length 1m</p> <p>Please note, for correct operation, a separate nanoSPOT amplifier is required.</p>		