

## DL40RN • DLM50RN

MINIATURE THROUGH BEAM SENSOR  
with separate amplifier

- Latest LED Technology
- High lateral resolution and repeatability
- Extra small light spot, prevents disturbing reflections from vicinity
- Robust design
- Minimum installation dimension
- Minimum weight





**nano • SPOT®**  
nano • SPOT® is a new and powerful LED technology for miniaturized opto sensors

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### GENERAL TECHNICAL DATA

light type	red 645nm
connection type	2 x 1m PUR-cable with connector
temperature range	-10°C to +55°C
protection class	IP65

<ul style="list-style-type: none"> <li>• Ø 4 mm x 10 mm</li> <li>• stainless steel</li> <li>• f. gluing a. clamping fixture</li> </ul>	<p><b>DL40RN</b></p>  <p>actual size</p>
<ul style="list-style-type: none"> <li>• M5 x 0,5 mm x 10 mm</li> <li>• nickel-plated brass</li> <li>• f. screw-in fixture</li> </ul>	<p><b>DLM50RN</b></p>  <p>actual size</p>

### SENSING DISTANCE and SMALLEST OBJECT

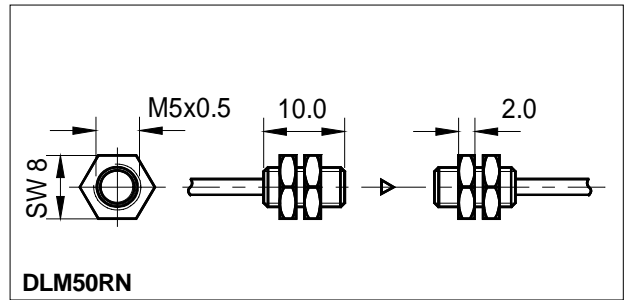
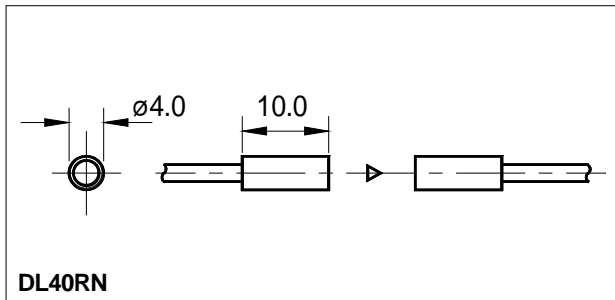
sensing distance	1500mm
smallest object (Ø copper wire)*	Ø 0,1mm

\*copper wire, obtained at optimum distance and sensitivity setting on the amplifier

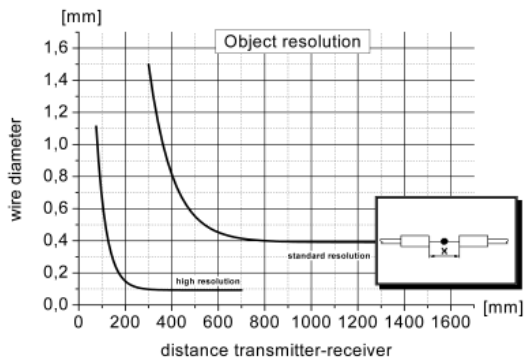
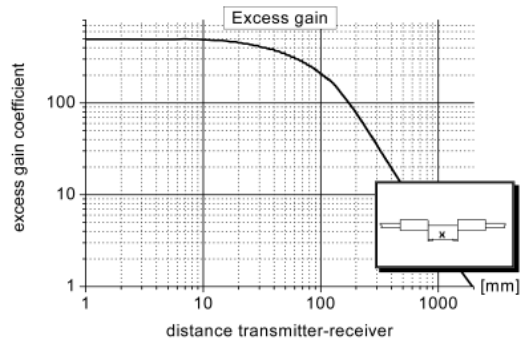
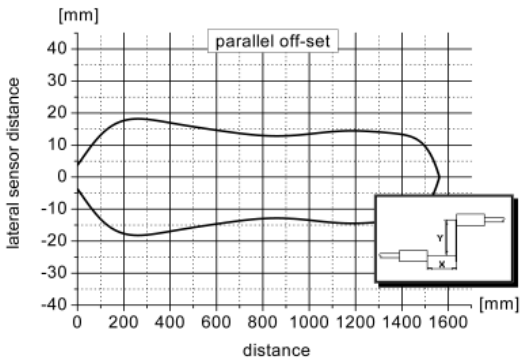


beam spot at 20mm distance

**DIMENSIONS**

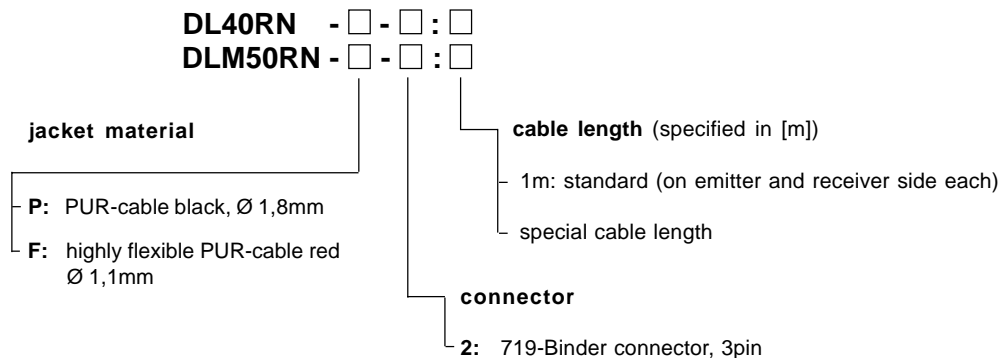


**GRAPHS** (sensing field, smallest object and interference obtained with V9 on max. sensitivity adjustment)



p.n.: all graphs showing typical data!

**PART DESIGNATION**



**ORDER EXAMPLE:**

**DL40RN-P-2:1m** = DL40RN - PUR-cable black - 719-Binder-connector, 3pin: cable length 2 x 1m

**Please remember, for correct operation, a separate amplifier is required.**