



# Mikrowellen-Messgerät

Analog-Ausgang oder  
2x PNP-Ausgang

Hohe Genauigkeit

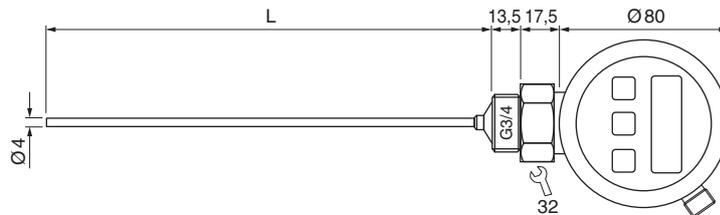
Sondenstab beschichtet  
für aggressive Medien

Geführte Mikrowelle



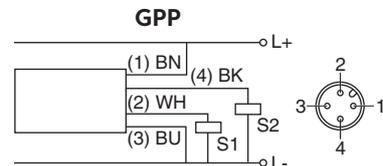
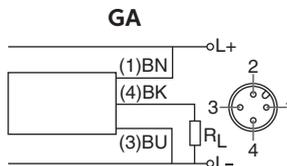
**Ausführung** DC Analog / DC PNP • G3/4

**Abmessungen**



|  |  |                                |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
|--|--|--------------------------------|---|---------|--------|-----------|--------|---------|--------|--|--------|---------|--------|--|--------|---------|--------|-----------|--------|---------|--------|--|--------|---------|--------|--|--------|
| <b>Bauform</b>                                 | Monostab                               | Monostab                       | <b>Sensorklängen</b><br>Die Einbaulänge L der Sensoren ist durch „xxx“ in der Typenbezeichnung spezifiziert.<br><br>xxx: Länge in cm<br><br><b>Vorzugslängen GA</b> <table border="0"> <tr><td>300 mm:</td><td>LMF030</td><td>Best.-Nr.</td><td>P21229</td></tr> <tr><td>500 mm:</td><td>LMF050</td><td></td><td>P21230</td></tr> <tr><td>800 mm:</td><td>LMF080</td><td></td><td>P21231</td></tr> </table><br><b>Vorzugslängen GPP</b> <table border="0"> <tr><td>300 mm:</td><td>LMF030</td><td>Best.-Nr.</td><td>P21232</td></tr> <tr><td>500 mm:</td><td>LMF050</td><td></td><td>P21233</td></tr> <tr><td>800 mm:</td><td>LMF080</td><td></td><td>P21234</td></tr> </table> | 300 mm: | LMF030 | Best.-Nr. | P21229 | 500 mm: | LMF050 |  | P21230 | 800 mm: | LMF080 |  | P21231 | 300 mm: | LMF030 | Best.-Nr. | P21232 | 500 mm: | LMF050 |  | P21233 | 800 mm: | LMF080 |  | P21234 |
| 300 mm:  | LMF030                                 | Best.-Nr.                      |   | P21229  |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| 500 mm:  | LMF050                                 |                                | P21230  |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| 800 mm:  | LMF080                                 |                                | P21231  |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| 300 mm:  | LMF030                                 | Best.-Nr.                      | P21232  |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| 500 mm:  | LMF050                                 |                                | P21233  |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| 800 mm:  | LMF080                                 |                                | P21234  |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Ausgang</b>                                 | 4...20 mA, linear<br>                  | 2x PNP, programmierbar<br><br> |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Best.-Nr.</b>                               | P....                                  | P....                          |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Typ-Sensorklänge L</b>                      | MFP 075 GA-LMFxxx                      | MFP 075 GPP-LMFxxx             |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Betriebsspannung [V]</b>                    | 20...27 DC                             | 20...27 DC                     |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Stromaufnahme [mA]</b>                      | < 45                                   | < 45                           |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Stromausgang [mA]</b>                       | 4...20                                 | -                              |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Lastwiderstand R<sub>L</sub> [Ω]</b>        | 200...500                              | -                              |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Schaltstrom [mA]</b>                        | -                                      | 200                            |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Verpolungsschutz [mm]</b>                   | •                                      | •                              |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Messgenauigkeit [mm]</b>                    | 5                                      | 5                              |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Übergangsbereich* [mm]</b>                  | oben: 40, unten: 15                    | oben: 40, unten: 15            |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Umgebungstemperatur [°C]</b>                | 0...+70                                | 0...+70                        |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Mediumtemperatur [°C]</b>                   | 0...+80                                | 0...+80                        |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Ansprechempfindlichkeit [ε<sub>r</sub>]</b> | ≥20                                    | ≥20                            |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Schutzart [EN 60529]</b>                    | IP 67                                  | IP 67                          |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Gehäusewerkstoff</b>                        | Aluminium                              |                                |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Werkstoff</b>                               | Edelstahl 1.4571, PTFE, PFA            |                                |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Dichtungswerkstoff</b>                      | NBR, andere Werkstoffe auf Anforderung |                                |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Druckfestigkeit (25 °C) [bar]</b>           | 10                                     |                                |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |
| <b>Anschluss</b>                               | M12-Stecksystem                        |                                |   |         |        |           |        |         |        |  |        |         |        |  |        |         |        |           |        |         |        |  |        |         |        |  |        |

\* Je nach Einbaubedingungen und Medium können sich in diesem Bereich Abweichungen von der spezifizierten Messgenauigkeit ergeben.



**Zubehör** Anschlusskabel SLG / SLW 3..., SLG / SLW 4..., siehe Seite 2.38