



# TROPICAL-Series DC | Climatic-proofed 120 °C

## Proximity switches

M18 / M30  
Stainless steel sleeve

DC 10...30 V

IP 68 Water-proofed  
IP 69 Resistant to  
high pressure cleaning  
Steam proof



| Design                                      |  | DC PNP • M18x1  |                                     | DC PNP • M30x1,5                    |                                     |
|---|--|---|-------------------------------------|-------------------------------------|-------------------------------------|
| <b>Dimensions</b>                           |  |   |                                     |                                     |                                     |
| Installation<br>flush (f)<br>non flush (nf) |  |   |                                     |                                     |                                     |
| Operating distance sn [mm]                  |  | 5 f   | 7 nf                                | 10 f                                | 15 nf                               |
| GSP   |  | ID-No. P31432<br>Type IGMW 005 GSP  | ID-No. P31434<br>Type IGMW 008 GSP  | ID-No. P31436<br>Type IGMW 010 GSP  | ID-No. P31438<br>Type IGMW 015 GSP  |
| GOP   |  | ID-No. P31433<br>Type IGMW 005 GOP  | ID-No. P31435<br>Type IGMW 008 GOP  | ID-No. P31437<br>Type IGMW 010 GOP  | ID-No. P31439<br>Type IGMW 015 GOP  |
| GSOP  |  | ID-No. P31352<br>Type IGMW 005 GSOP   | ID-No. P31353<br>Type IGMW 008 GSOP | ID-No. P31354<br>Type IGMW 010 GSOP | ID-No. P31355<br>Type IGMW 015 GSOP |
| Supply voltage [V]                          |  | 10...30 DC  |                                     |                                     |                                     |
| Switching current [mA]                      |  | 200   |                                     |                                     |                                     |
| Overcurrent release [mA]                    |  | 230   |                                     |                                     |                                     |
| Current consumption [mA]                    |  | 4   |                                     |                                     |                                     |
| Residual current [µA]                       |  | 1   |                                     |                                     |                                     |
| Voltage drop max. [V]                       |  | 2   |                                     |                                     |                                     |
| Switching frequency [Hz]                    |  | 1000  |                                     |                                     |                                     |
| Ambient temperature [°C]                    |  | -25...+120  |                                     |                                     |                                     |
| Compressive strenght [bar]                  |  | 4   |                                     |                                     |                                     |
| EMC-class                                   |  | A   |                                     |                                     |                                     |
| Protection [EN 60529]                       |  | IP 68 + IP 69   |                                     |                                     |                                     |
| Housing material                            |  | PTFE / AISI 316 Ti (A4)   |                                     |                                     |                                     |
| Connection                                  |  | 2 m FEP-cable 3x0.34 mm <sup>2</sup> / 2 m FEP-cable 4x0.25 mm <sup>2</sup> |                                     |                                     |                                     |
| Switching current                           |  | <p>GSP/GOP</p>  |                                     | <p>GSOP</p>                         |                                     |
|   |  |   |                                     |                                     |                                     |