



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

## Proximity switches

M18 / M30

Stainless steel sleeve

AC 20...250 V

IP 68 Water-proofed

IP 69 Resistant to  
high pressure cleaning



| Design                                                               |        | AC • M18x1                           |             | AC • M30x1.5 |             |
|----------------------------------------------------------------------|--------|--------------------------------------|-------------|--------------|-------------|
| <b>Dimensions</b><br><br>Installation<br>flush (f)<br>non flush (nf) |        |                                      |             |              |             |
| Operating distance sn                                                | [mm]   | 5 f                                  | 7 nf        | 10 f         | 15 nf       |
| WS                                                                   | ID-No. | P31071                               | P31073      | P31075       | P31077      |
|                                                                      | Type   | IGMF 005 WS                          | IGMF 008 WS | IGMF 010 WS  | IGMF 015 WS |
| WO                                                                   | ID-No. | P31070                               | P31072      | P31074       | P31076      |
|                                                                      | Type   | IGMF 005 WO                          | IGMF 008 WO | IGMF 010 WO  | IGMF 015 WO |
| Supply voltage                                                       |        | 20...250 AC                          |             |              |             |
| Switching current                                                    |        |                                      |             |              |             |
| WS/WO [mA]                                                           |        | < 400                                |             |              |             |
| Current consumption                                                  |        | < 2.5                                |             |              |             |
| Voltage drop max.                                                    |        | < 5 eff.                             |             |              |             |
| Switching frequency                                                  |        | 25                                   |             |              |             |
| Ambient temperature                                                  |        | -25...+120                           |             |              |             |
| Compressive strength                                                 |        | 10                                   |             |              |             |
| Minimum load current                                                 |        | 5.0                                  |             |              |             |
| EMC-class                                                            |        | A                                    |             |              |             |
| Protection                                                           |        | IP 68 + IP 69                        |             |              |             |
| Housing material                                                     |        | PTFE / AISI 316 Ti (A4)              |             |              |             |
| Connection                                                           |        | 2 m FEP-cable 3x0.75 mm <sup>2</sup> |             |              |             |
| Switching current                                                    |        |                                      |             |              |             |

