

# PROXITRON

High Temperature  
Proximity Switches



150 °C

175 °C

230 °C

Proximity switches for ambitious applications in high temperature areas. Proxitron offers a variety of different temperature ranges, housing designs and sensing ranges for different applications

**Steel industry - Glass industry - Furnace construction - Paint shops for automotive industry - Presses for chipboard manufacturing**

|            |                     | Ambient Temperature |                 |                 | Sensing Distance (Sn) |
|------------|---------------------|---------------------|-----------------|-----------------|-----------------------|
|            |                     | 150 °C (302 °F)     | 175 °C (347 °F) | 230 °C (446 °F) |                       |
| Housing    | Mounting Condition  |                     |                 |                 |                       |
|            | M8                  | Flush               | 2 mm            |                 |                       |
|            |                     | Non flush           |                 |                 |                       |
|            | M12                 | Flush               | 3 mm            |                 | 2 mm                  |
|            |                     | Non flush           | 4 mm            |                 |                       |
|            | M18                 | Flush               | 5 mm            | 5 mm            | 5 mm                  |
|            |                     | Non flush           | 8 mm            | 8 mm            | 8 mm                  |
|            | M30                 | Flush               | 10 mm           | 10 mm           | 10 mm                 |
|            |                     | Non flush           | 15 mm           | 15 mm           | 15 mm                 |
|            |                     |                     | 20 mm           |                 |                       |
|            | M50                 | Flush               | 20 mm           | 20 mm           | 20 mm                 |
|            |                     | Non flush           | 25 mm           | 25 mm           | 25 mm                 |
|            |                     |                     | 35 mm           |                 | 30 mm                 |
|            | M80                 | Non flush           |                 | 50 mm           | 50 mm                 |
| Electronic | Output              |                     |                 |                 |                       |
|            | PNP                 | Normally closed     |                 | x               | x                     |
|            |                     | Normally open       | x               | x               | x                     |
|            |                     | antivalent          |                 |                 | x                     |
|            | NPN                 | Normally closed     | x               | x               | x                     |
|            |                     | Normally open       | x               | x               | x                     |
|            |                     | antivalent          |                 |                 | x                     |
|            | Switching amplifier |                     | integrated      | integrated      | external              |

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Supply voltage           | 10 – 30 V DC                                                |
| Load current             | max. 150 mA                                                 |
| Short circuit protection | yes                                                         |
| No load current          | < 10 mA                                                     |
| Voltage drop             | < 2 V                                                       |
| Protection class         | IP66 / IP67(68) version at request                          |
| Functional display       | no / yes with external switching amplifier                  |
| Housing material         | stainless steel                                             |
| Silicone free            | all designs silicone free available also                    |
| Connection               | silicone or PTFE cable                                      |
| Cable length             | 2 m, 5 m, 10 m, 15 m, 20 m, further cable length at request |