

## Data sheet

### proxistor® Capacitive sensors DC

- 4-wire Ø 34 mm smooth
- M12 connector
- N / O & N / C complimentary
- ESD protected

|                                |                  |                               |                    |
|--------------------------------|------------------|-------------------------------|--------------------|
| PNP (complimentary)            | CPU-020V-FTN     | Wiring                        | 4-wire             |
| NPN (complimentary)            | CNU-020V-FTN     | Rated operational voltage     | 7 to 30 DC V       |
| Mounting                       | unshielded       | Rated operational current     | 350 mA             |
| Rated operating distance Sn    | 20 mm            | Utilisation category          | DC 13              |
| Repeatability                  | ≤ 10 %           | Impulse voltage withstand     | 1 kV 1.2 / 50 µs V |
| Function indication            | yes              | Inrush current                | 1.5 A              |
| Ambient temperature range      | -25 °C to +70 °C | Frequency of operating cycles | 10 Hz              |
| Pollution degree               | 3                | Minimum operational current   | ≤ 0.01 mA          |
| Time delay before availability | ≤ 220 ms         | No-load supply current        | ≤ 8 / 8 mA         |
| Housing size                   | Ø 34 mm          | Off-state current             | ≤ 100 µA           |
| Housing material               | PBT              | Voltage drop                  | ≤ 1 V              |
| Degree of protection           | IP 67            | Short circuit protection      | yes (pulsed)       |
| Connection                     | M12 connector    | Reverse polarity protection   | yes                |
| Current type                   | DC               |                               |                    |

