

# Contact type liquid level detection capacitive sensor **CR18XT** series



## Feature description

- Meet a variety of contact liquid level measurement needs
- The distance can be adjusted according to the detected object (sensitivity button)
- PTEE shell, with excellent chemical resistance and oil resistance



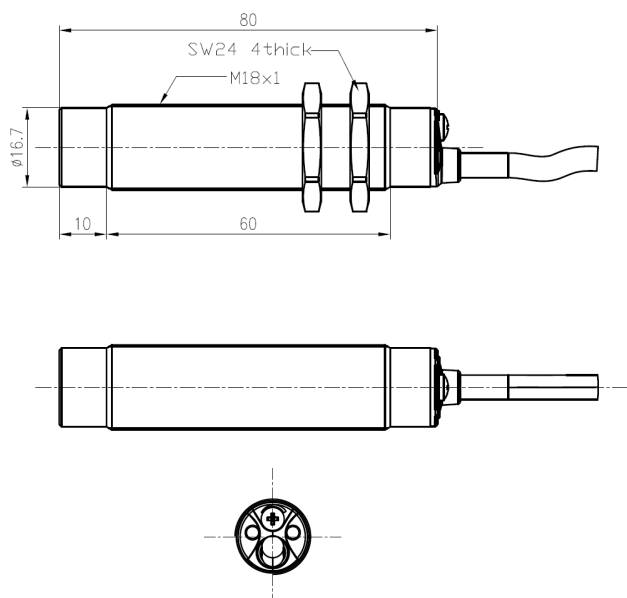
## Model specification

|           |               |           |               |
|-----------|---------------|-----------|---------------|
| NPN NO    | CR18XTCN05DNO | PNP NO    | CR18XTCN05DPO |
| NPN NC    | CR18XTCN05DNC | PNP NC    | CR18XTCN05DPC |
| NPN NO+NC | CR18XTCN05DNR | PNP NO+NC | CR18XTCN05DPR |

## Specifications

|                     |                                          |                         |                                                |
|---------------------|------------------------------------------|-------------------------|------------------------------------------------|
| Installation type   | Non-flush (Contact use)                  | Circuit protection      | Short circuit protection, overload protection, |
| Detection distance  | 5mm                                      |                         | reverse polarity protection                    |
| Output type         | NO/NC (Depending on model)               | Ambient temperature     | -25°C...70°C                                   |
| Supply voltage      | 10...30 VDC                              | Environment humidity    | 35...95%RH                                     |
| Standard target     | The inside diameter of > 20mm Metal ring | High pressure resistant | 1000V/AC 50/60Hz 60s                           |
| Sensitivity         | Adjustable potentiometer                 | Insulation resistance   | ≥50MΩ (500VDC)                                 |
| Switch point offset | ≤±20%                                    | Vibration resistant     | Complex amplitude 1.5mm 10...50Hz              |
| Hysteresis range    | 3...20%                                  |                         | (2 hours each in X, Y, and Z directions)       |
| Repetitive error    | ≤5%                                      | Shape specification     | M18*80mm                                       |
| Load current        | ≤200mA                                   | Protection degree       | IP67                                           |
| Residual voltage    | ≤2.5V                                    | Housing material        | PTEE                                           |
| Consumption current | ≤15mA                                    | Connection type         | 2m PVC Cable                                   |
| Output indication   | Yellow LED                               |                         |                                                |

## Dimensions



## Wiring diagram

