# Metal cylindrical shape capacitive sensors **CR18G** series



## Features

- ◆ Be able to detect both metal and nonmetal objects;
- ◆ Be able to detect various media via nonmetallic container;
- ◆ Reliable liquid level detecting;

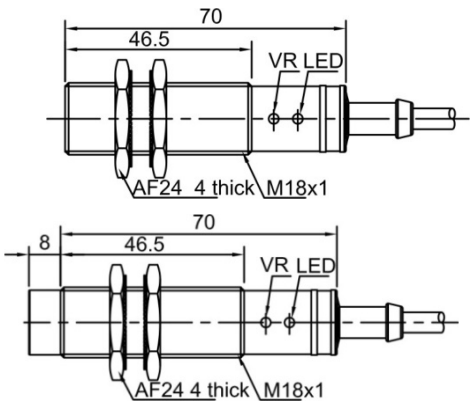
## Part number

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| NPN | NO | CR18GCF05DNO | CR18GCN08DNO | PNP | NO | CR18GCF05DPO | CR18GCN08DPO |
| NPN | NC | CR18GCF05DNC | CR18GCN08DNC | PNP | NC | CR18GCF05DPC | CR18GCN08DPC |
| NPN | NO+NC | CR18GCF05DNR | CR18GCN08DNR | PNP | NO+NC | CR18GCF05DPR | CR18GCN08DPR |

## Technical specifications

| | | | | |
|---|---|---|---|---|
| Mounting | Flush | Non-flush | Consumption current | ≤15mA |
| Rated distance [Sn] | 5mm (adjustable) | 8mm (adjustable) | Circuit protection | Short-circuit, overload and reverse polarity |
| Assured distance [Sa] | 0…4mm | 0…6.4mm | Output indicator | Yellow LED |
| Dimensions | M18*70mm | M18*78 mm | Ambient temperature | -25℃…70℃ |
| Output | NO/NC(depends on part number) | | Ambient humidity | 35-95%RH |
| Supply voltage | 10…30 VDC | | Switching frequency [F] | 50 Hz |
| Standard target | Fe18*18*1t | Fe 24*24*1t | Voltage withstand | 1000V/AC 50/60Hz 60S |
| Switch-point drifts [%/Sr] | ≤±20% | | Insulation resistance | ≥50MΩ (500VDC) |
| Hysteresis range [%/Sr] | 3…20% | | Vibration resistance | 10…50Hz (1.5mm) |
| Repeat accuracy [R] | ≤3% | | Degree of protection | IP67 |
| Load current | ≤200mA | | Housing material | Stainless steel |
| Residual voltage | ≤2.5V | | Connection type | 2m PVC cable |

## Dimensions




## Wiring diagram

