

PLASTIC CYLINDRICAL CAPACITIVE SENSOR CR18S SERIES

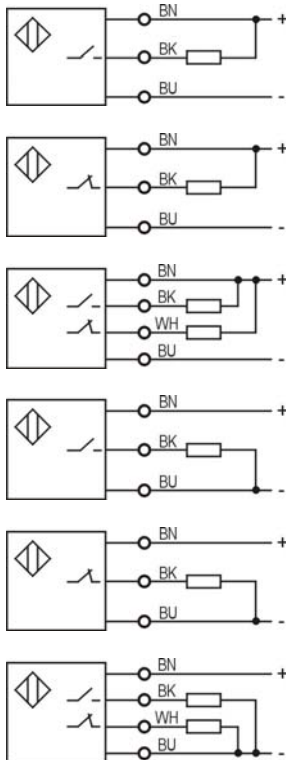
Photo



Feature Description

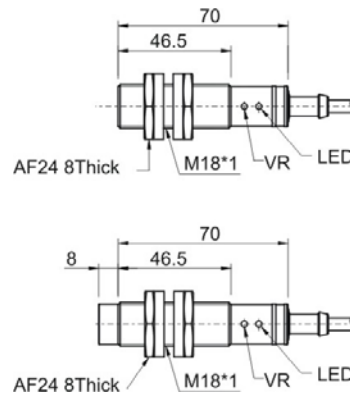
- ◆ Wide range of detecting object: metal, plastic, liquid
- ◆ Surge, overloaded, short-circuit, reverse polarity protection
- ◆ Housing material: PBT
- ◆ Protection degree: IP67 (IEC)

Connection diagram



Note:
Customize for cable length, housing material.

Dimension drawing



Item Code

NPN NO	CR18SCF05DNO	CR18SCN08DNO
NPN NC	CR18SCF05DNC	CR18SCN08DNC
NPN NO+NC	CR18SCF05DNR	CR18SCN08DNR
PNP NO	CR18SCF05DPO	CR18SCN08DPO
PNP NC	CR18SCF05DPC	CR18SCN08DPC
PNP NO+NC	CR18SCF05DPR	CR18SCN08DPR

Specification

Mounting	F	NF
SN [mm]	5mm(adjuster)	8mm(adjuster)
Setting distance	0...4mm	0...6.4mm
Housing size [mm]	M18*70	M18*78
Thread size [mm]	M18*1*46	
Output	NPN/PNP	NO/NC/NO+NC
Power supply	10...30V DC	
Standard target	Fe 50*50*1t	
Temperature drifts [%/Sr]	≤±10%	
Hysteresis [%/Sr]	3...20%	
Repeat accuracy	≤3%	
Load current [mA]	≤200mA	
Residual voltage	≤2.5VDC	
Consumption current [mA]	≤15mA	
Protection circuit	Surge, overloaded, short-circuit, reverse polarity	
Indicator	Yellow LED	
Ambient temp. [°C]	-25...70°C	
Ambient RH	35-95%RH	
Frequency [Hz]	50Hz	
Dielectric strength	1000V/AC 50/60Hz 60s	
Insulation resistance	≥50MΩ (500VDC)	
Anti-vibration	1.5mm amplitude at 10 to 55Hz for 2hours each in x, y, z D-D	
Protection degree	IP67	
Housing material	PBT	
Connection	PVC Cable 2m	