M18 Cylindrical Capacitive Proximity Sensor

BCDS-M18-A14F8.0-PC2 series · Sensing Distance: 8mm(Flush) · Switching Freq.: 25Hz/25Hz AC,40Hz DC

IP67
Ingress Protection



①



②

KEY SPECIFICATIONS

SENSING DISTANCE 8mm(Flush)	SWITCHING FREQ. 25Hz/25Hz AC,40Hz DC
AMBIENT TEMP. -25...70°C	HOUSING M18*1mm
INGRESS PROTECTION IP67	

FEATURES

- Potentiometer for sensitivity adjustment
- Detecting non-metals
- Detection of non-metallic objects depends on the dielectric constant of the object

MODEL CODES

Output Type	①	②
AC type — 20...250V AC · 25Hz		
N.O	BCDS-M18-A14F8.0-PC2 SKU 10102785	BCDP-M18-A14F8.0-PC2 SKU 10102789
N.C	BCDS-M18-A24F8.0-PC2 SKU 10102786	BCDP-M18-A24F8.0-PC2 SKU 10102790
AC/DC type — 20...250V AC/DC · 25Hz AC,40Hz DC		
N.O	BCDS-M18-U15F8.0-PC2 SKU 10102787	BCDP-M18-U15F8.0-PC2 SKU 10102791
N.C	BCDS-M18-U25F8.0-PC2 SKU 10102788	BCDP-M18-U25F8.0-PC2 SKU 10102792

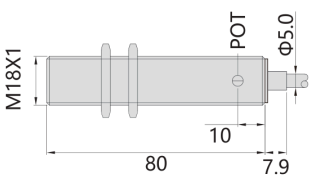
TECHNICAL DATA

Exterior structure	M18*1mm
Sensing distance	8mm(Flush)
Switching frequency	AC: 25Hz · AC/DC: 25Hz AC,40Hz DC
Operating voltage	AC: 20...250V AC · AC/DC: 20...250V AC/DC
Voltage drop	<9V AC(300mA)/<10V AC,<8V DC
Load current	Max.load: 300mA; min.Load: 5mA Max.load: 200mA; min.Load: 5mA
Residual signal	<2.5mA
Hysteresis	<15%(Sr)
Repeatability	<5.0%(Sr)

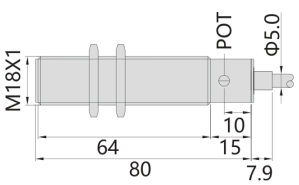
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on
LED indicator	With (Action: LED Indicator Lights Up)
Ambient temperature	-25...70°C
Ingress protection	IP67
Housing material	①: Brass, nickel-plated ②: PBT
Sensing face material	PBT
Connection	2m PVC Cable, 3*0.35mm²
Accessories	None

DIMENSIONAL DRAWINGS

Brass,nickel-plated ①
M18X80 Cable



PBT M18X80 Cable ②



All dimensions in mm.