







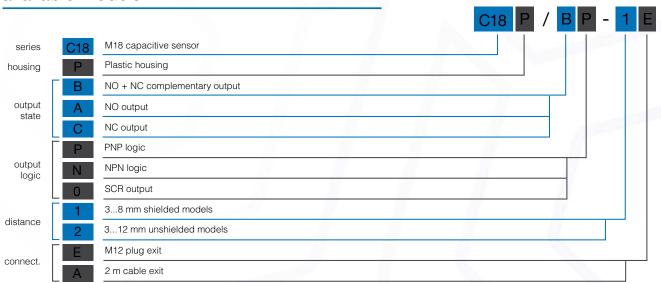
- DC or AC supply voltage
- High noise immunity
- Shielded and unshielded models
- Adjustable sensitivity
- Plastic housing



#### web contents

- Application notes
- Photos
- Catalogue / Manuals

### available models



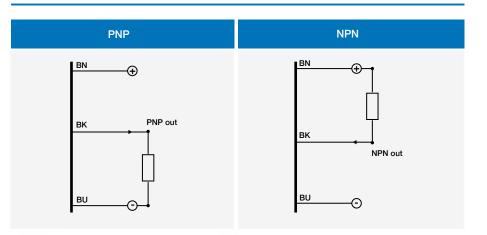


## available models

supply	installation	connections	distance	NPN NO + NC	PNP NO + NC	NO	NC
1040 Vcc	shielded	cable 2 m	38 mm	C18P/BN-1A	C18P/BP-1A	-	-
		M12		C18P/BN-1E	C18P/BP-1E	-	-
	unshielded	cable 2 m	312 mm	C18P/BN-2A	C18P/BP-2A	-	-
		M12		C18P/BN-2E	C18P/BP-2E	-	-
20250 Vac	shielded	cable 2 m	38 mm	-	-	C18P/A0-1A	C18P/C0-1A
		M12		-	-	C18P/A0-1E	C18P/C0-1E
	unshielded	cable 2 m	312 mm	-	-	C18P/A0-2A	C18P/C0-2A
		M12		-	-	C18P/A0-2E	C18P/C0-2E

# technical specification

_					
	C18P/**-1*	C18P/**-2*			
nominal sensing distance	8 mm	12 mm			
hysteresis	≤ 20%				
repeatibility	5%				
operating voltage	10 40 Vcc oppure 20 250 Vac				
max ripple content	≤ 10 %				
no-Load supply current	≤ 12 mA				
load current	≤ 200 mA (dc models), ≤ 500 mA; max. 2,5 A max. 20 ms (ca models)				
leakage current	≤ 100 µA				
output voltage drop Ud	2.5 Vmax @ IL= 200 mA (dc models), $\leq$ 10 VAC @ IL $\geq$ 20 mA (ca models)				
output type	NPN or PNP - NO + NC; SCR - NO or NC				
switching frequency	50 Hz (dc models); 10 Hz (ca models)				
power on delay	≤ 200 ms				
power supply protections	polarity reversal, impulsive overvoltage				
output protection	autoreset short circuit, overvoltage (dc models)				
sensitivity adjustment	•				
storage temperature	-40 +85° C				
operating temperature range	-25 +80° C (without freeze) (ca models); -35 +85° C (without freeze) (dc models)				
temperature drift	≤ 20	%			
EMC	in conformity with the EMC Direct	ive, according to IEC 60947-5-2			
protection degree	IP67 (IEC 60529) NEMA 1,3,4,6,13 (ca models); IP67 - IP68/60 min - IP69K (IEC 60529; 60943-1) NEMA 1,2,4,4x,5,6,6p,12 (models dc)				
LEDs	yellow (output status) (ca-models), yellow (object detected), green (supply/stability) (dc models)				
housing material	thermoplastic polyester				
active head material	polyester				
weight	65 g M12 connector / 150 g cable				
tightening torque	2.61	Vm			



**BN** brown

BU blue

**BK** black

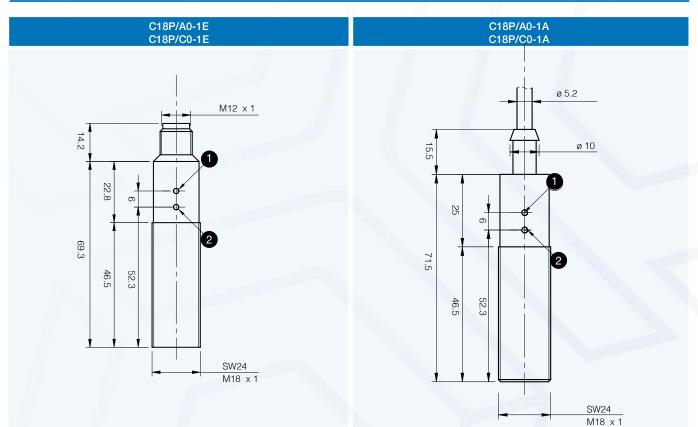
WH white

## plug



For models with AC power supply using the connection cable series CD12M/AC

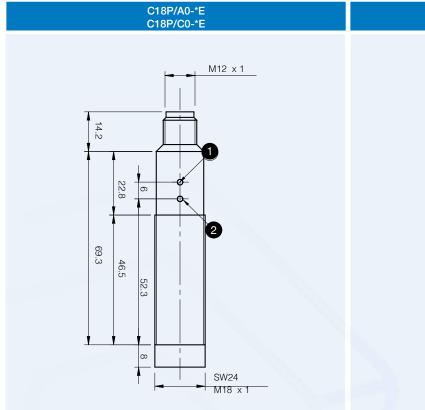
## dimensions (mm)











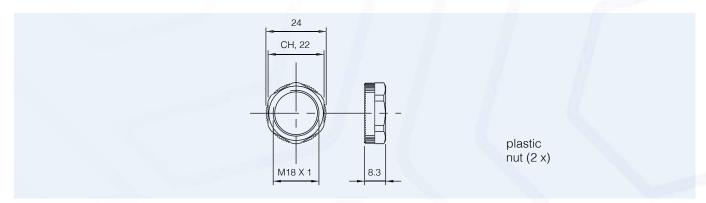
C18P/A0-\*A C18P/C0-\*A ø 5.2 ø 10 6 46.5 12 SW24 M18 x 1

1 LED



## dimensions (mm)

accessories included in all models



BANK NL93HAND0784527083 201601\_MD\_Product Catalogue

