

Inductive proximity sensors - Ø M12 and M18

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
------	----------------	-------	-----------	------------------	-----	-----	----	----	-----------	-------------

M12 proximity switches

Decout version **NPN/PNP/NO/NC** (on one sensor) **M12 (4pin) plug connection**

PM3/00-1H	10 - 30 VDC	•		2 mm	•	•	•	•	M12 plug	74 mm
PM3/00-2H	10 - 30 VDC		•	4 mm	•	•	•	•	M12 plug	74 mm

AC version **cable connection**

VM2/A0-1B	20 - 253 VAC	•		2 mm	TRIAC	•			cable	72 mm
VM2/C0-1B	20 - 253 VAC	•		2 mm	TRIAC		•		cable	72 mm
VM2/A0-2B	20 - 253 VAC		•	4 mm	TRIAC	•			cable	72 mm
VM2/C0-2B	20 - 253 VAC		•	4 mm	TRIAC		•		cable	72 mm

For food and beverage applications

M12 (4pin) plug connection

- AISI 316L (DIN 1.4404) stainless steel housing
- IP67 (EN60529) - IP68 (1m - 7 days) - IP69K protection degree
- -40...+80°C (up to 100°C for short exposure during cleaning process)

PFM1/BP-3H*	10 - 30 VDC	•		4 mm		•	•	•	M12 plug	65 mm
PFM1/BP-4H*	10 - 30 VDC		•	8 mm		•	•	•	M12 plug	65 mm

Cables and M12 connectors (see page K-27 / 28)

M18 cylindrical proximity switches

Standard sensing range

cable connection (3 wire)

AK1/AP-1A	10 - 30 VDC	•		5 mm		•	•		cable	50 mm
AK1/CP-1A	10 - 30 VDC		•	5 mm		•	•		cable	50 mm
AK1/AN-1A	10 - 30 VDC	•		5 mm	•		•		cable	50 mm
AK1/CN-1A	10 - 30 VDC		•	5 mm	•		•		cable	50 mm
AK1/AP-2A	10 - 30 VDC		•	8 mm		•	•		cable	50 mm
AK1/CP-2A	10 - 30 VDC		•	8 mm		•	•		cable	50 mm
AK1/AN-2A	10 - 30 VDC	•		8 mm	•		•		cable	50 mm
AK1/CN-2A	10 - 30 VDC		•	8 mm	•		•		cable	50 mm

Short body - NO + NC

cable connection (4 wire)

AK6/BP-1A	10-30 VDC	•		5 mm		•	•	•	cable	39 mm
AK6/BN-1A	10-30 VDC	•		5 mm		•	•	•	cable	39 mm
AK6/BP-2A	10-30 VDC		•	8 mm		•	•	•	cable	39 mm
AK6/BN-2A	10-30 VDC		•	8 mm		•	•	•	cable	39 mm

Long sensing range - NO + NC

M12 (4pin) plug connection

AK6/BP-3H*	10 - 30 VDC	•		8 mm		•	•	•	M12 plug	49 mm
AK6/BN-3H*	10 - 30 VDC	•		8 mm		•	•	•	M12 plug	49 mm
AK6/BP-4H*	10 - 30 VDC		•	12 mm		•	•	•	M12 plug	49 mm
AK6/BN-4H*	10 - 30 VDC		•	12 mm		•	•	•	M12 plug	49 mm

2 wire version

M12 (4pin) plug connection

AK1/A0-1H	10 - 30 VDC	•		5 mm	•	•	•		M12 plug	64 mm
AK1/A0-2H	10 - 30 VDC		•	8 mm	•	•	•		M12 plug	64 mm
AK1/A0-3H*	10 - 30 VDC	•		8 mm	•	•	•		M12 plug	64 mm
AK1/A0-4H*	10 - 30 VDC		•	12 mm	•	•	•		M12 plug	64 mm

Decout version **NPN/PNP/NO/NC** (on one sensor)

M12 (4pin) plug connection

PK3/00-1H	10 - 30 VDC	•		5 mm	•	•	•	•	M12 plug	72 mm
PK3/00-2H	10 - 30 VDC		•	8 mm	•	•	•	•	M12 plug	72 mm

AC version

cable connection

VK2/A0-1B	20 - 253 VAC	•		5 mm	TRIAC	•			cable	77 mm
VK2/C0-1B	20 - 253 VAC	•		5 mm	TRIAC		•		cable	77 mm
VK2/A0-2B	20 - 253 VAC		•	8 mm	TRIAC	•			cable	77 mm
VK2/C0-2B	20 - 253 VAC		•	8 mm	TRIAC		•		cable	77 mm

For food and beverage applications

M12 (4pin) plug connection

- AISI 316L (DIN 1.4404) stainless steel housing
- IP67 (EN60529) - IP68 (1m - 7 days) - IP69K protection degree
- -40...+80°C (up to 100°C for short exposure during cleaning process)

PFK1/BP-3H*	10 - 30 VDC	•		8 mm		•	•	•	M12 plug	63 mm
PFK1/BP-4H*	10 - 30 VDC		•	12 mm		•	•	•	M12 plug	63 mm

* Long sensing range

Cables and M12 connectors (see page K-27 / 28)



PM3/00-1H



AK1/CP-1A



PK3/00-1H