

Inductive sensors are used to sense metal objects and can be utilised in very difficult applications, even in the presence of oils, powders, liquids and vibration. They are commonly mounted on machine tools, textile machines, transport systems, packaging machines and all automation applications.

- Protection degree: IP 67
- Ambient limits: -25 - +70°C
- LED indication: Incorporated
- Short circuit and polarity reversal protection



AK1/CP-1A



PK3/00-1H



AT1/CP-1A

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

M18 cylindrical proximity switches

Standard body 3 wire version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
AK1/AP-1A	10 - 30 VDC	•		5 mm	•		•		cable	50 mm
AK1/CP-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

cable connection

Standard body 4 wire version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
AK6/BP-3H	10 - 30 VDC	•		8 mm	•		•	•	M12 plug	49 mm
AK6/BP-4H	10 - 30 VDC		•	12 mm	•		•	•	M12 plug	49 mm

NO + NC long sensing range M12 (4pin)

2 wire version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
AK1/A0-1H	10 - 30 VDC	•		5 mm			•		M12 plug	64 mm
AK1/A0-2H	10 - 30 VDC		•	8 mm			•		M12 plug	64 mm

M12 (4 pin) plug connection

Analog output

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
AK6/D2-5H	15 - 30 VDC	•		0 - 10 mm	0-10V	4-20mA			M12 plug	49 mm

M12 (4 pin) plug connection 1 x 0-10V & 4-20mA output

Decout version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
PK3/00-1H	10 - 30 VDC	•		5 mm	•	•	•	•	M12 plug	72 mm
PK3/00-2H	10 - 30 VDC		•	8 mm	•	•	•	•	M12 plug	72 mm

M12 (4 pin) plug connection NPN/PNP/NO/NC on one switch

AC version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
VK2/A0-1B	20 - 253 VAC	•		5 mm			•		cable	77 mm
VK2/C0-1B	20 - 253 VAC	•		5 mm				•	cable	77 mm
VK2/A0-2B	20 - 253 VAC		•	8 mm			•		cable	77 mm
VK2/C0-2B	20 - 253 VAC		•	8 mm				•	cable	77 mm

cable connection

Cables and M8/12 connectors (see page K-21)

M30 cylindrical proximity switches

Standard body 3 wire version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
AT1/AP-1A	10 - 30 VDC	•		10 mm	•		•		cable	60 mm
AT1/CP-1A	10 - 30 VDC	•		10 mm	•			•	cable	60 mm
AT1/AP-2A	10 - 30 VDC		•	15 mm	•		•		cable	60 mm
AT1/CP-2A	10 - 30 VDC		•	15 mm	•			•	cable	60 mm

cable connection

Note: For **NPN** version, replace the "P" with "N"

Standard body 4 wire version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
AT1/0P-3H	10 - 30 VDC	•		15 mm	•		•	•	M12 plug	76 mm
AT1/0P-4H	10 - 30 VDC		•	20 mm	•		•	•	M12 plug	76 mm

NO + NC long sensing range M12 (4 pin)

2 wire version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
AT1/A0-1H	10 - 30 VDC	•		10 mm			•		M12 plug	64 mm
AT1/A0-2H	10 - 30 VDC		•	15 mm			•		M12 plug	64 mm

M12 (4 pin) plug connection

AC version

type	supply voltage	flush	non flush	sensing distance	PNP	NPN	NO	NC	connector	body length
VT2/A0-1B	20 - 253 VAC	•		10 mm			•		cable	80 mm
VT2/C0-1B	20 - 253 VAC	•		10 mm				•	cable	80 mm
VT2/A0-2B	20 - 253 VAC		•	15 mm			•		cable	80 mm
VT2/C0-2B	20 - 253 VAC		•	15 mm				•	cable	80 mm

cable connection

Cables and M12 connectors (see page K-21)