

new



AT6/BP-3H



AT6/BP-4H



IL8/AP-3A



IL1/AP-3A

**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 vibrations. They are commonly mounted on machine tools, textile machines, transport systems, packaging machines and all automation applications.

- Protection degree: IP67
- Ambient limits: -25 - +70°C
- LED indication: Incorporated
- Short circuit and polarity reversal protection

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
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**M30 cylindrical proximity switches**

**Standard sensing range**

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	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/AN-1A	10 - 30 VDC	•		10 mm	•		•		cable	60 mm
AT1/CN-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
AT1/AN-2A	10 - 30 VDC		•	15 mm	•		•		cable	60 mm
AT1/CN-2A	10 - 30 VDC		•	15 mm	•			•	cable	60 mm

**cable connection**

**Long sensing range - NO + NC**

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
AT6/BP-3H*	10 - 30 VDC	•		15 mm		•	•	•	M12 plug	44 mm
AT6/BP-4H*	10 - 30 VDC		•	20 mm		•	•	•	M12 plug	44 mm
AT6/BN-3H*	10 - 30 VDC	•		15 mm	•		•	•	M12 plug	44 mm
AT6/BN-4H*	10 - 30 VDC		•	20 mm	•		•	•	M12 plug	44 mm

**M12 (4pin) plug connection**

**2 wire version**

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
AT1/A0-1H	10 - 30 VDC	•		10 mm	•	•	•		M12 plug	76 mm
AT1/A0-2H	10 - 30 VDC		•	15 mm	•	•	•		M12 plug	76 mm
AT1/A0-3H*	10 - 30 VDC	•		15 mm	•	•		•	M12 plug	76 mm
AT1/A0-4H*	10 - 30 VDC		•	20 mm	•	•		•	M12 plug	76 mm

**M12 (4pin) plug connection**

**AC version**

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

**cable connection**

\* Long sensing range

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

**Analog output proximity switches**

1 x 0-10V and 1 x 4-20mA output

- Voltage 0 - 10 VDC and Current 4 - 20mA outputs (in the same device)
- Wide usable sensing ranges: M12 (6 mm) and M18 (10 mm)
- Excellent resolution (no digitalization)

**M12 proximity switches**

type	supply voltage	flush	non flush	sensing distance	0-10V	4-20mA	connector	body length
AM1/D2-5H	15 - 30 VDC	•		0...6 mm	0-10V	4-20mA	M12 plug	60 mm

**M12 (4pin) plug connection**

**M18 proximity switches**

type	supply voltage	flush	non flush	sensing distance	0-10V	4-20mA	connector	body length
AK6/D2-5H	15 - 30 VDC	•		0...10 mm	0-10V	4-20mA	M12 plug	49 mm

**M12 (4pin) plug connection**

**Rectangular housing inductive proximity switches**

**8 x 8 x 40 mm rectangular body**

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
IL8/AP-3A	10 - 30 VDC	•		2 mm		•	•		cable	40 mm
IL8/CP-3A	10 - 30 VDC	•		2 mm		•		•	cable	40 mm
IL8/AN-3A	10 - 30 VDC	•		2 mm	•		•		cable	40 mm
IL8/CN-3A	10 - 30 VDC	•		2 mm	•			•	cable	40 mm

**cable connection**

**28 x 10 x 16 mm rectangular body**

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
IL1/AP-3A	10 - 30 VDC	•		3 mm		•	•		cable	28 mm
IL1/CP-3A	10 - 30 VDC		•	3 mm		•		•	cable	28 mm
IL1/AN-3A	10 - 30 VDC		•	3 mm	•		•		cable	28 mm
IL1/CN-3A	10 - 30 VDC		•	3 mm	•			•	cable	28 mm

(aligns with standard mechanical micro switch)