

new



AB1/AP-3A



AD1/AP-3A



AE1/CP-1A



AE6/AP-3A



AM6/AP-3H

**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
- Housing: Nickel-plated brass (PFM/PFK - AISI 316L stainless steel housing)
- Short circuit and polarity reversal protection

type	supply voltage	flush	non flush	sensing distance	NPN	PNP	NO	NC	connector	body length
<b>M4 proximity switches (long sensing distance)</b>										
<b>Long sensing range</b>		<b>cable connection (2 m)</b>								
AB1/AP-3A	10 - 30 VDC	•		1 mm	•	•			cable	22 mm
AB1/CP-3A	10 - 30 VDC	•		1 mm		•	•		cable	22 mm
<b>M5 proximity switches (long sensing distance)</b>										
<b>Long sensing range</b>		<b>cable connection (2 m)</b>								
AD1/AP-3A	10 - 30 VDC	•		1.5 mm		•	•		cable	30 mm
AD1/CP-3A	10 - 30 VDC	•		1.5 mm		•	•		cable	30 mm
<b>M8 proximity switches</b>										
<b>Standard sensing range</b>		<b>cable connection (2 m)</b>								
AE1/AP-1A	10 - 30 VDC	•		1.5 mm		•	•		cable	46 mm
AE1/CP-1A	10 - 30 VDC	•		1.5 mm		•	•		cable	46 mm
AE1/AP-2A	10 - 30 VDC		•	2.5 mm		•	•		cable	46 mm
AE1/CP-2A	10 - 30 VDC		•	2.5 mm		•	•		cable	46 mm
<b>Long sensing range</b>		<b>cable connection (2 m)</b>								
AE6/AP-3A*	10 - 30 VDC	•		2 mm		•	•		cable	36 mm
AE6/CP-3A*	10 - 30 VDC	•		2 mm		•	•		cable	36 mm
AE6/AP-4A*	10 - 30 VDC		•	4 mm		•	•		cable	36 mm
AE6/CP-4A*	10 - 30 VDC		•	4 mm		•	•		cable	36 mm
		<b>M8 (4pin) plug connection</b>								
AE6/AP-3F*	10 - 30 VDC	•		2 mm		•	•		M8 plug	40 mm
AE6/CP-3F*	10 - 30 VDC	•		2 mm		•	•		M8 plug	40 mm
AE6/AP-4F*	10 - 30 VDC		•	4 mm		•	•		M8 plug	40 mm
AE6/CP-4F*	10 - 30 VDC		•	4 mm		•	•		M8 plug	40 mm
<b>M12 proximity switches</b>										
<b>Standard sensing range</b>		<b>cable connection (2 m)</b>							<b>standard body</b>	
AM1/AP-1A	10 - 30 VDC	•		2 mm		•	•		cable	50 mm
AM1/CP-1A	10 - 30 VDC	•		2 mm		•	•		cable	50 mm
AM1/AN-1A	10 - 30 VDC	•		2 mm	•		•		cable	50 mm
AM1/CN-1A	10 - 30 VDC	•		2 mm	•		•		cable	50 mm
AM1/AP-2A	10 - 30 VDC		•	4 mm		•	•		cable	50 mm
AM1/CP-2A	10 - 30 VDC		•	4 mm		•	•		cable	50 mm
AM1/AN-2A	10 - 30 VDC		•	4 mm	•		•		cable	50 mm
AM1/CN-2A	10 - 30 VDC		•	4 mm	•		•		cable	50 mm
<b>Long sensing range</b>		<b>cable connection (2 m)</b>								
AM6/AP-3A*	10 - 30 VDC	•		4 mm		•	•		cable	40 mm
AM6/CP-3A*	10 - 30 VDC	•		4 mm		•	•		cable	40 mm
AM6/AP-4A*	10 - 30 VDC		•	8 mm		•	•		cable	40 mm
AM6/CP-4A*	10 - 30 VDC		•	8 mm		•	•		cable	40 mm
		<b>M12 (4pin) plug connection</b>								
AM6/AP-3H*	10 - 30 VDC	•		4 mm		•	•		M12 plug	53 mm
AM6/CP-3H*	10 - 30 VDC	•		4 mm		•	•		M12 plug	53 mm
AM6/AP-4H*	10 - 30 VDC		•	8 mm		•	•		M12 plug	53 mm
AM6/CP-4H*	10 - 30 VDC		•	8 mm		•	•		M12 plug	53 mm
<b>2 wire version</b>		<b>M12 (4pin) plug connection</b>								
AM1/A0-1H	10 - 30 VDC	•		2 mm		•	•		M12 plug	75 mm
AM1/A0-2H	10 - 30 VDC	•		4 mm		•	•		M12 plug	75 mm
AM1/A0-3H*	10 - 30 VDC	•		4 mm		•	•		M12 plug	75 mm
AM1/A0-4H*	10 - 30 VDC	•		8 mm		•	•		M12 plug	75 mm
<b>NO + NC output</b>		<b>M12 (4pin) plug connection</b>								
AM1/BP-1H	10 - 30 VDC	•		2 mm		•	•	•	M12 plug	65 mm
AM1/BP-2H	10 - 30 VDC	•		4 mm		•	•	•	M12 plug	75 mm

\* Long sensing range

Note: For NPN version, replace the "P" with "N" Cables and M8/12 connectors (see page K-27 / 28)