

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



AD1/AP-3A



AE1/CP-1A



PMS/0P-1H

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

M5 standard body proximity switches (long sensing distance)

DC 10-30V	3 wire	cable connection										
AD1/AP-3A	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		1.5 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		cable	30 mm
•												
•		•										
AD1/CP-3A	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		1.5 mm	<table border="1"><tr><td>•</td><td></td><td></td><td>•</td></tr></table>	•			•	cable	30 mm
•												
•			•									

M8 standard body proximity switches (std sensing range)

Standard 3 wire version	cable connection											
AE1/AP-1A	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		1.5 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		cable	45 mm
•												
•		•										
AE1/CP-1A	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		1.5 mm	<table border="1"><tr><td>•</td><td></td><td></td><td>•</td></tr></table>	•			•	cable	45 mm
•												
•			•									
AE1/AP-2A	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	2.5 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		cable	45 mm
	•											
•		•										
AE1/CP-2A	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	2.5 mm	<table border="1"><tr><td>•</td><td></td><td></td><td>•</td></tr></table>	•			•	cable	45 mm
	•											
•			•									

Long sensing range M8 plug connection (3 pin) (supplied separately see page K-21)

AE1/AP-3F	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		M8 plug	50 mm
•												
•		•										
AE1/AP-4F	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		M8 plug	50 mm
	•											
•		•										

M12 proximity switches

Standard body 3 wire version	cable connection											
AM1/AP-1A	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		cable	50 mm
•												
•		•										
AM1/CP-1A	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td>•</td><td></td><td></td><td>•</td></tr></table>	•			•	cable	50 mm
•												
•			•									
AM1/AP-2A	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		cable	50 mm
	•											
•		•										
AM1/CP-2A	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td>•</td><td></td><td></td><td>•</td></tr></table>	•			•	cable	50 mm
	•											
•			•									

Long sensing range M12 plug connection (4 pin)

AM1/AP-3H	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		4 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		M12 plug	65 mm
•												
•		•										
AM1/CP-3H	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		4 mm	<table border="1"><tr><td>•</td><td></td><td></td><td>•</td></tr></table>	•			•	M12 plug	65 mm
•												
•			•									
AM1/AP-4H	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	8 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		M12 plug	65 mm
	•											
•		•										
AM1/CP-4H	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	8 mm	<table border="1"><tr><td>•</td><td></td><td></td><td>•</td></tr></table>	•			•	M12 plug	65 mm
	•											
•			•									

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

Standard body 2 wire version M12 plug connection (4 pin)

AM1/A0-1H	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td></td><td></td><td>•</td><td></td></tr></table>			•		M12 plug	75 mm
•												
		•										
AM1/A0-2H	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td></td><td></td><td>•</td><td></td></tr></table>			•		M12 plug	75 mm
	•											
		•										

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

AM1/D2-5H	15 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		0 - 6 mm	<table border="1"><tr><td>0-10V</td><td>4-20mA</td></tr></table>	0-10V	4-20mA	M12 plug	65 mm
•										
0-10V	4-20mA									

NO + NC switching M12 plug connection (4 pin)

PMS/0P-1H	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		M12 plug	63 mm
•												
•		•										
PMS/0P-2H	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		M12 plug	63 mm
	•											
•		•										

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

PM3/00-1H	10 - 30 VDC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td>•</td><td>•</td><td>•</td><td>•</td></tr></table>	•	•	•	•	M12 plug	73 mm
•												
•	•	•	•									
PM3/00-2H	10 - 30 VDC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td>•</td><td>•</td><td>•</td><td>•</td></tr></table>	•	•	•	•	M12 plug	74 mm
	•											
•	•	•	•									

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

AC version cable connection

VM2/A0-1B	20 - 253 VAC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td></td><td></td><td>•</td><td></td></tr></table>			•		cable	72 mm
•												
		•										
VM2/C0-1B	20 - 253 VAC	<table border="1"><tr><td>•</td><td></td></tr></table>	•		2 mm	<table border="1"><tr><td></td><td></td><td></td><td>•</td></tr></table>				•	cable	72 mm
•												
			•									
VM2/A0-2B	20 - 253 VAC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td>•</td><td></td><td>•</td><td></td></tr></table>	•		•		cable	72 mm
	•											
•		•										
VM2/C0-2B	20 - 253 VAC	<table border="1"><tr><td></td><td>•</td></tr></table>		•	4 mm	<table border="1"><tr><td></td><td></td><td></td><td>•</td></tr></table>				•	cable	72 mm
	•											
			•									