



# FM

## FME1/AP-3F

**Ind.M8,PNP-NO,M8 plug,Sch-LD**

**M5 - M8 - M12 - M18 - M30 INDUCTIVE SENSORS WITH FULL METAL HOUSING**

## OVERVIEW



## TECHNICAL FEATURES

### Detection properties

Nominal sensing distance	2mm
Operanting distance	0...1,62mm
Standard target	8x8mm FE360
Correction Factor	copper: 0 / aluminium: 0 / brass: 0 / stainless steel: 0,3
Thermal drift of Sr	< 10%
Repeat Accuracy	< 5% (UB 24V Ta=23°C ±5°C)
Hysteresis	1 ... 20%

## Application

Description	M8 standard flush mount
Functions	Proximity

## Outputs

Output type	PNP
Output Function	NO
Switching frequency	250Hz

## Electrical data

Operating Voltage	10...30Vdc
No-Load supply current	$\leq 10\text{mA}$
Load current	$\leq 200\text{mA}$
Leakage current	$\leq 10\mu\text{A}$
Output voltage drop	$\leq 1,5\text{V @}200\text{mA}$
Max ripple content	$\leq 10\%$
LED indicators	Yellow LED output state
Time delay before availability	$\leq 50\text{ms}$
Short-circuit protection	Yes
Reverse Polarity Protection	Yes
Impulsive Overvoltage Protection	Yes

Protection against inductive loads	Yes
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#### Mechanical data

Mounting	Shielded
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Dimensions	M8 x 1 / L = 50mm
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Weight	4g
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Housing Material	AISI316L Stainless Steel
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Connections	M8 Plug
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Active Head Material	stainless steel AISI316L
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Tightening torque	5Nm
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Operating temperature	-25°C...+70°C
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Material	AISI316L Stainless Steel
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0,25mm	0,25mm
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Diameter/Dimension	M8
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#### Test/Approvals

Approvals	CE cULus
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EMC compatibility	IEC 60947-5-2
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Shocks and vibrations	Vibration IEC 60068-2-6 / Shock IEC 60068-2-27
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Degree of protection	IP68, IP69K
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IK05

IK05

80bar

80bar

### Accessories

Supplied Accessories

2 nuts M8x1

### Generical Data

Dimensions

M8 x 1 / L = 50mm

Operating Temperature

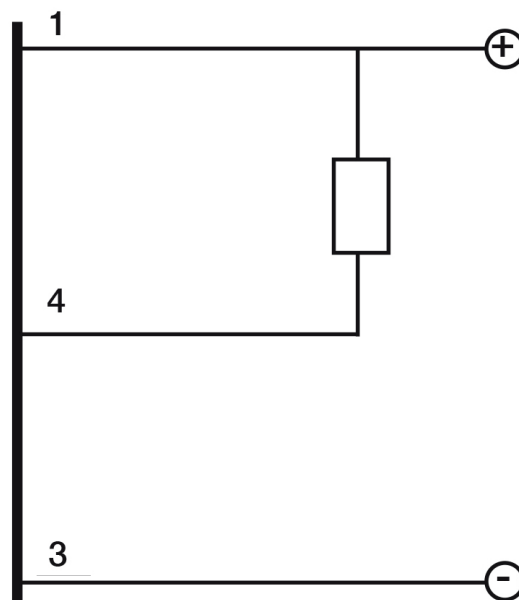
-25°C...+70°C

Mechanical Protection

IP68 / IP69K

## CONNECTIONS

Electrical diagram



Connector



**Datasensing  
S.r.l.**

Strada S.Caterina, 235  
41122 Modena (MO)  
Tel. 059 420411  
Fax 059 253973  
E-mail  
[info@datasensing.com](mailto:info@datasensing.com)

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