

Proximity Magnetic Sensors Cylindrical Housing FMM Series

CARLO GAVAZZI



- Cylindrical stainless steel or nickel plated brass housing
- M8 diameter
- NO or CO output functions
- Front side switching

Product Description

The cylindrical proximity magnetic sensors of the FMM series are characterized by stainless steel body and small dimensions. They can be mounted

directly on ferromagnetic supports as well; in this situation a reduction in the operating distance may occur due to a loss of magnetic field.

Ordering Key

FMM A 3

Type

Output function

Reed contact type

Type Selection

Housing diameter	Connection	Output function	Reference
M8	PVC cable L= 2m	NO	FMM A 3
M8	PVC cable L= 2m	NO	FMM A 6
M8	PVC cable L= 2m	CO	FMM S 1

Diameters are specified in millimeters (mm)

Output Specifications

Output FMMA3, FMMA6 FMMS1	NO Change-over
Contact ratings	
Max Switching Voltage	
FMMA3	500 VAC
FMMA6	100 VAC
FMMS1	100 VAC
Max Switching Current	
FMMA3	0.5 A
FMMA6	0.5 A
FMMS1	0.25 A
Max Switching Power	
FMMA3	10 VA
FMMA6	10 VA
FMMS1	5 VA

General Specifications

Operating distance	See Operating Distance table
Suitable magnetic unit	See Operating Distance table
Operating temperature	-25 to +70 °C
Degree of protection	IP 67
Housing	
Diameter	M8 x 1 mm
Material	
FMMA3, FMMS1	Stainless steel
FMMA6	Nickel plated brass
CE-marking	Yes

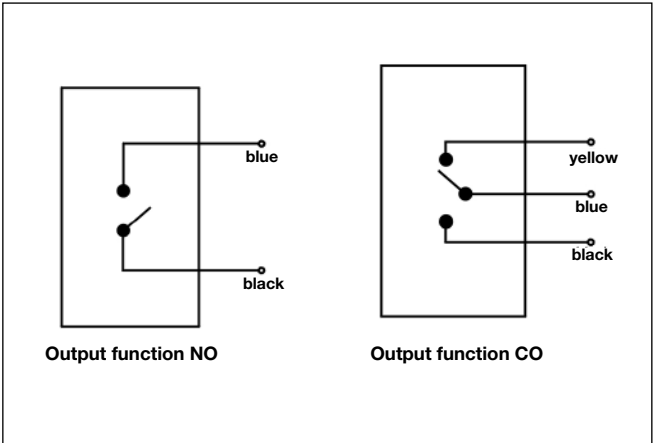


Operating Distance

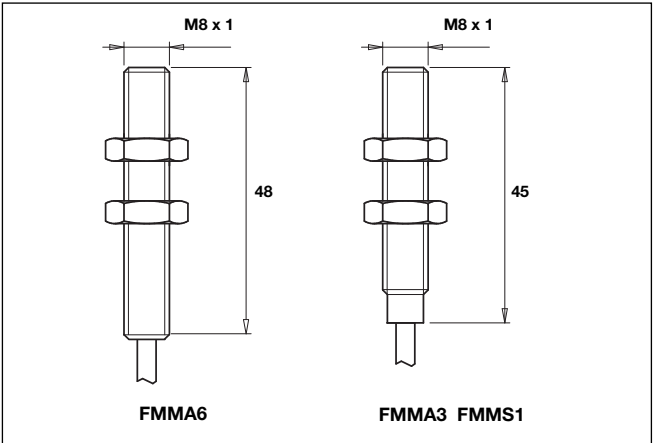
Magnetic Units	CL10	CL11	CL18	CL20S1	CL20S3	CL23	CL31
FMMS1	8	-	8	17	16	16	23
FMMA3	10	-	10	20	19	18	27
FMMA6	14	-	-	28	27	21	-

Distances are specified in millimeters (mm)
xx: operating distance (for all Output functions).

Wiring Diagrams



Dimensions



Mouser Electronics

Authorized Distributor

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[FMMA3](#)