

CE

Model Number

MB-F32-A2-Y126878

Features

- For hydraulic cylinder
- Zero-contact detection of piston position
- No holes are required in the cylinder ٠
- Freely positionable ٠
- Simple, protected attachment .

Technical Data		
General specifications		
Switching element function		PNP
Installation		on th
Output polarity		DC
Switching range	s _b	typ. {
Nominal ratings		
Operating voltage	UB	10
Reverse polarity protection		rever
Short-circuit protection		pulsi
Voltage drop	Ud	≤ 1.5
Operating current	IL.	0 '
No-load supply current	I ₀	≤ 30
Switching state indicator		LED,
Ambient conditions		
Ambient temperature		-25 .
Mechanical specifications		
Connection type		AMP
Core cross-section		0.5 n
Housing material		Polya
Sensing face		Polya
Degree of protection		IP67
Compliance with standards and d	line etim	

Polyamide (PA) IP67 Compliance with standards and directives

Standard conformity

EN 60947-5-2:2007 IEC 60947-5-2:2007

Polyamide (PA)

NO/NC

reverse polarity protected

-25 ... 85 °C (-13 ... 185 °F)

AMP connector with PVC cable , 1.9 m $0.5\ \text{mm}^2$

on the cylinder DC typ. 50 mm 10 ... 30 V

pulsing $\leq 1.5 \text{ V}$ $0 \dots 100 \text{ mA}$ $\leq 30 \text{ mA}$ LED, red

Dimensions

Standards







Electrical Connection

A2		
		1/BN
E	3 4 3	4 / BK
		2/WH
	P	3/BUC

Refer to "General Notes Relating to Pepperl+Fuchs Product Information"

Pepperl+Fuchs Group www.pepperl-fuchs.com

USA: +1 330 486 0001 fa-info@us.pepperl-fuchs.com

Germany: +49 621 776 4411 fa-info@de.pepperl-fuchs.com

Singapore: +65 6779 9091 fa-info@sg.pepperl-fuchs.com



Magnetic System



For this sensor principle it is not sufficient to simply mount the permanent magnet onto the piston. A magnetic system has to be constructed which conducts the magnetic flux of the permanent magnets directlt into the cylinder wall in order to achieve the strongest possible magnetization. For further details regarding the construction of magnetic systems, refer to the manual. A field trial is generally recommended before practical operation!

Magnets

The magnets are axially magnetized. It must be ensured that all magnets are mounted with the same polarity!

Definition of polarity

An approaching permanent magnet with the north pole pointing towards the cable connection of the sensor causes output 1 to respond and the red LED to light.



Antivalient output

By means of the sensor's antivalent output stage the appropriate output can be chosen depending on the polarity of the magnetic system or the mounting location of the sensor

Mounting

The sensor is mounted directly on the surface towards the cylinder axis. For this purpose, pressure bands, tightening straps, or hose band clamps can be used.

