



**Electric Automation**  
Automation specialists

Reference: IA12FSF02POM1

Selected parameters OUTPUT FUNCTION NO MOUNTING Flush  
HOUSING M12 SENSING RANGE up to 2 mm OUTPUT DC PNP  
CONNECTION Plug WIRE 3-wire MATERIAL Metal face SYSTEM  
Proximity Sensor Others HOUSING M12 x 50 mm MATERIAL  
Stainless steel SENSING RANGE 2 mm OUTPUT FUNCTION  
Normally Open



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Proximity Inductive Sensors

DC Metal Face

Types IA, M8, M12, M18 and M30

- Sensing distance: 1 to 15 mm
- Flush and non-flush types
- Long and short housing
- Rated operational voltage: 10 - 30 VDC
- Output: DC 100 mA, NPN or PNP
- Normally open, Normally closed
- Output indication: by yellow LED
- Protection: reverse polarity, short circuit, transients
- Cable and plug versions

Product Description

Ordering Key

IA08FLF01NOM5

A family of metal face inductive proximity switches in industrial standard stainless steel housings (M8, M12, M18 and M30 types).

Output indication: by yellow

LED.

Outputs are open collector NPN or PNP transistors. Available with cable and M8 or M12 plug.

These sensors stand up to

abrasion and impact caused by flying metal chips, grit and misaligned or vibrating targets.

In at d> Type

Housing style Housing size Housing material Housing length Detection principle

Sensing distance Output type

Output configuration

## Connection type

Type Selection M8, M12 and M18

HousingConnec-Housing RatedOrdering no.Ordering no.Ordering no.  
diameter tionstyle operatingNPNPNPNPNPNPNP

distance Sn Normally open Normally openNormally closedNormally closed

M8Cable Short 1 mm 1) IA 08 FSF 01 NOIA 08 FSF 01 POIA 08 FSF 01 NCIA 08 FSF 01  
PC

M8Plug Short 1 mm 1) IA 08 FSF 01 NOM5 IA 08 FSF 01 POM5IA 08 FSF 01 NCM5 IA  
08 FSF 01 PCM5

M8Cable Long 1 mm 1) IA 08 FLF 01 NOIA 08 FLF 01 POIA 08 FLF 01 NC IA 08 FLF 01  
PC

M8Plug Long 1 mm 1) IA 08 FLF 01 NOM5 IA 08 FLF 01 POM5IA 08 FLF 01 NCM5 IA 08  
FLF 01 PCM5

M8Cable Short 2 mm 2) IA 08 FSN 02 NOIA 08 FSN 02 PO IA 08 FSN 02 NCIA 08 FSN  
02 PC

M8Plug Short 2 mm 2)IA 08 FSN 02 NOM5 IA 08 FSN 02 POM5IA 08 FSN 02 NCM5 IA  
08 FSN 02 PCM5

M8Cable Long 2 mm 2) IA 08 FLN 02 NOIA 08 FLN 02 PO IA 08 FLN 02 NCIA 08 FLN 02  
PC

M8Plug Long 2 mm 2)IA 08 FLN 02 NOM5 IA 08 FLN 02 POM5IA 08 FLN 02 NCM5 IA 08  
FLN 02 PCM5

M12Cable Short 2 mm 1) IA 12 FSF 02 NOIA 12 FSF 02 POIA 12 FSF 02 NCIA 12 FSF  
02 PC

M12Plug Short 2 mm 1) IA 12 FSF 02 NOM1 IA 12 FSF 02 POM1IA 12 FSF 02 NCM1 IA  
12 FSF 02 PCM1

M12Cable Long 2 mm 1) IA 12 FLF 02 NOIA 12 FLF 02 POIA 12 FLF 02 NC IA 12 FLF 02  
PC

M12Plug Long 2 mm 1) IA 12 FLF 02 NOM1 IA 12 FLF 02 POM1IA 12 FLF 02 NCM1 IA  
12 FLF 02 PCM1

M12Cable Short 4 mm 2) IA 12 FSN 04 NOIA 12 FSN 04 PO IA 12 FSN 04 NCIA 12 FSN  
04 PC

M12Plug Short 4 mm 2)IA 12 FSN 04 NOM1 IA 12 FSN 04 POM1IA 12 FSN 04 NCM1 IA  
12 FSN 04 PCM1

M12Cable Long 4 mm 2) IA 12 FLN 04 NOIA 12 FLN 04 PO IA 12 FLN 04 NCIA 12 FLN  
04 PC

M12Plug Long 4 mm 2)IA 12 FLN 04 NOM1 IA 12 FLN 04 POM1IA 12 FLN 04 NCM1 IA  
12 FLN 04 PCM1

M18Cable Short 5 mm 1) IA 18 FSF 05 NOIA 18 FSF 05 POIA 18 FSF 05 NCIA 18 FSF  
05 PC

M18Plug Short 5 mm 1) IA 18 FSF 05 NOM1 IA 18 FSF 05 POM1IA 18 FSF 05 NCM1 IA  
18 FSF 05 PCM1

M18Cable Long 5 mm 1) IA 18 FLF 05 NOIA 18 FLF 05 POIA 18 FLF 05 NC IA 18 FLF 05  
PC

M18Plug Long 5 mm 1) IA 18 FLF 05 NOM1 IA 18 FLF 05 POM1IA 18 FLF 05 NCM1 IA  
18 FLF 05 PCM1

M18Cable Short 8 mm 2) IA 18 FSN 08 NOIA 18 FSN 08 PO IA 18 FSN 08 NCIA 18 FSN  
08 PC

M18Plug Short 8 mm 2)IA 18 FSN 08 NOM1 IA 18 FSN 08 POM1IA 18 FSN 08 NCM1 IA

18 FSN 08 PCM1

M18Cable Long 8 mm 2) IA 18 FLN 08 NOIA 18 FLN 08 PO IA 18 FLN 08 NCIA 18 FLN 08 PC

M18Plug Long 8 mm 2)IA 18 FLN 08 NOM1 IA 18 FLN 08 POM1IA 18 FLN 08 NCM1 IA 18 FLN 08 PCM1

1) For flush mounting in metal2) For non-flush mounting in metal

Specifications are subject to change without notice (09.11.12) 1