Reference: IA12FLF02PCM1

Selected parameters OUTPUT FUNCTION NC 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 68 mm MATERIAL Stainless steel SENSING RANGE 2 mm OUTPUT FUNCTION Normally Closed

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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 induc- tive proximity switches in industrial standard stainless steel housings (M8, M12, M18 and M30 types).
Output indication: by yellow
LED.
Outputsare opencollector NPN or PNP transistors. Available with cable and M8 or M12 plug.
These sensors standupto
abrasion and impact caused byflyingmetalchips,grit and misalignedor vibrating targets.
In atd>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.Ordering no.
diameter tionstyle operatingNPNPNPNPNPNP
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