Reference: CA18CAF08NAM1

Selected parameters CONNECTION M12 Plug DC MATERIAL Plastic HOUSING M18 SENSING RANGE >8 to 10 mm OUTPUT DC NPN SYSTEM Sensor Others HOUSING M18 x 70,0 mm SENSING RANGE 8 mm MATERIAL Thermoplastic Polyester

Buy it at Electric Automation Network

Proximity Sensors Capacitive Thermoplastic Polyester Housing Types CA18CAN/ CAF.....

• 4TH Generation TRIPLESHIELDTM
• Adjustable sensing distance: 2 - 10 mm Flush or
3-15 mm Non-flush
• Protection: short-circuit, transients and reverse polarity
• Dust and humidity compensation
• Dust or Temperature alarm output
• Rated operational voltage: 10-40 VDC
• Output: DC 200 mA, NPN or PNP
• Standard Output: NO and NC
• LED indications for Power-supply, Target and Stability
• IP67, IP68, IP69K, Nema 1, 2, 4, 4X, 5, 6, 6P, 12
• Cable and M12 connector versions available

Product Description
Ordering Key
Capacitive proximity switch
CA18CAN12NAM1
TheCA18CA..capacitive
proximity switches feature an improved 4THGenera- tion TRIPLESHIELDTM tech- nology. Furthermore, these sensors feature increased immunity to electromagnetic inteference(EMI),especial- ly to frequency drives. Not only does 4THGeneration TRIPLESHIELDTM feature anincreasedEMI,but it alsoincreasestheimmuni- ty to humidity and dust. The implementation of stability indication eases the setup procedure as both Stable ON and Stable OFF positions are
indicatedby the Green and
yellow LEDs.
The sensing distance is increased by 25 %allowing room for atd>The Dust Alarm function gives an early warningthat the sensing surroundings have to be cleaned. The Temperature alarm func- tion raises an alarm if the sensing surface goes beyond

60 degree celcius.
The sensor housing is featur- ing IP69K as well as approval by ECOLABfor cleaning- and disinfection agents.
Housing diameter (mm) Housing material Housing length Detection principle
Rated operating dist. (mm) Output type
Output configuration
Connection type
Type Selection
HousingSensorOutputOutput Connection Rated operatingOrdering no.Ordering no.Ordering no. diameter type type functiondistance (Sn)StandardDust alarmTemperature alarm
M 18FlushNPN NO+NC Cable0 - 8 mmCA18CAF08NA
M 18FlushNPN NO+NC M12 Plug 0 - 8 mmCA18CAF08NAM1
M 18Flush PNP NO+NC Cable0 - 8 mmCA18CAF08PA
M 18FlushPNP NO+NC M12 Plug0 - 8 mmCA18CAF08PAM1
M 18Flush PNP NO Cable0 - 8 mm CA18CAF08PODUCA18CAF08POTA M 18Flush PNP NC Cable0 - 8 mm CA18CAF08PCDUCA18CAF08PCTA M 18Non-FlushNPN NO+NC Cable0 - 12 mmCA18CAN12NA
M 18Non-FlushNPN NO+NC M12 Plug 0 - 12 mmCA18CAN12NAM1
M 18Non-Flush PNP NO+NC Cable0 - 12 mmCA18CAN12PA
M 18Non-FlushPNP NO+NC M12 Plug0 - 12 mmCA18CAN12PAM1
M 18Non-Flush PNP NO Cable0 - 12 mm CA18CAN12PODUCA18CAN12POTA
M 18Non-Flush PNP NC Cable0 - 12 mm CA18CAN12PCDUCA18CAN12PCTA
Specifications EN 60947-5-2
Rated operating distance (Sn)
Non-flush mounted sensor0 - 12 mm (factory setting
12 mm),
(ref. target 36x36 mm ST37,
1 mm thick, grounded) Flush mounted sensor0 - 8 mm (factory setting
8 mm - non-flush mounted) (ref. target 24x24 mm ST37,
1 mm thick, grounded)
Sensitivity control Adjustable by potentiometer
Electrical adjustment11 turns Mechanical adjustment16 turns Adjustable distance
Flush types 2 to 10 mm
Non-flush types3 to 15 mm
Effective operating dist. (Sr)0.9 x Sn ≤ Sr ≤ 1.1 x Sn
Specifications are subject to change without notice (16.06.2015) 1