Reference: CA18CLN12TC

SENSING RANGE >10 to 15 mm OUTPUT AC SCR SYSTEM Sensor Others HOUSING M18 x 95,0 mm SENSING RANGE 12 mm MATERIAL Thermoplastic Polyester

Buy it at Electric Automation Network

Proximity Sensors Capacitive Thermoplastic Polyester Housing Type CA, M18, AC
• Featuring TRIPLESHIELD™ sensor protection
• Rated operational voltage: 20-250 VAC
• Adjustable sensing distance 3-8 mm or 3-12 mm
• Output: SCR
• Make or break switching function
• LED indication
• High noise immunity
• Flush and non-flush types
• Plug and cable versions
• DC versions in the same housing
Product Description
Ordering Key CA18CLN12TOM6
Capacitive proximity switches witheithersensingdistance
8 mm flush mounted in metal orsensing distance12mm non-flush mounted. 2-wire AC output with make (NO) or bre-
Type Selection
ak (NC) switching. Grey M18 polyester housing with2 m PVC cable or M12 plug. Ideal foruse in level and plastic machinery applications.
Capacitive proximity switch
Housing style Housing size Housing material Housing length Detection principle Sensing distance Output type
Output configuration
Connection type
HousingRated MountingOrdering no. Ordering no. Ordering no.Ordering no.
diameteroperating SCR/cable SCR/plug SCR/cableSCR/plug
dist. (Sn) 1) MakeMakeBreakBreak switching switching switching switching
M18 8 mmFlush (built-in)CA18CLF08TO CA18CLF08TOM6
CA18CLF08TCCA18CLF08TCM6
M18 12 mmNon-flushCA18CLN12TO CA18CLN12TOM6CA18CLN12TCCA18CLN12TCM6

1) Object: Grounded steel plate
Specifications
Rated operating dist. (Sn)
CA18CLF083 to 8 mm
factory set at 8 mm
CA18CLN12 3 to 12 mm
factory set at 12 mm
SensitivityAdj. 270° turn pot. meter Effective operation dist. (Sr)0.9 x Sn ≤ Sr ≤ 1.1 x Sn Usable operation dist. (Su) 0.8 x Sr ≤ Sn ≤ 1.2 x Sr Repeat accuracy (R) ≤ 5% Hysteresis (H)4 to 20% of sensing distance Rated operational volt. (UB)20 to 250 VAC (ripple incl.) Ripple ≤ 10%
Rated operational current (Ie)
Continuous ≤ 500 mA
Short-time < 2.5 A (max. 20 ms)
Min. load current ≤ 10 mA
Voltage drop (Ud) ≤ 10 VAC (at loads ≥ 20 mA)
ProtectionTransients Power ON delay≤ 100 ms Freq. of operating cycles (f) 10 Hz
Indication for output ONLED, yellow
Environment
Degree of protection IP 67 (Nema 1, 3, 4, 6, 13)
Temperature
Operating temperature -25° to +80°C (-13°to +176°F) Storage temperature-40° to +85°C (-40° to +185°F)
Housing material
Body Grey, thermoplastic polyester
Front Grey, polyester
Cable end Polyester
NutsBlack, reinforced nylon
Connection
CableGrey, 2 m, 2 x 0.5 mm2
Oil proof PVC
Plug (M6)M12 x 1, double keyed
Cable for plug (M6) CON.6A-series
Weight
Cable version 110 g
Plug version 30 g
ApprovalsUL, CSA
CE-marking Yes
Specifications are subject to change without notice (15.12.2014) 1