Reference: UA18CAD04PPTI

Selected parameters SYSTEM Sensor HOUSING M18 SENSING RANGE >0,2 to 1 m CONNECTION Cable OUTPUT 2 x PNP MATERIAL Plastic Others HOUSING M18 x 84 mm SENSING RANGE 0,4 m MATERIAL Thermoplastic polyester

Buy it at Electric Automation Network

Ultrasonic
Diffuse, Digital Output
Types UA18CAD.....TI
• Cylindrical M18 PBT housing
• Sensing distance: 50-2200 mm
• Power supply: 15 to 30 VDC
• Outputs: Two multi function switching outputs. PNP or NPN, NO or NC
• Setup: Normal switching or adjustable hysteresis
• Repeatability 0.5%
• Beam angle. ±7° or ±8°
• Protection: Short-circuit, reverse polarity and overvoltage
• Protection degree IP 67
• 2 m cable or M12 plug
Product Description
Ordering Key UA18CAD04NPM1TI
A self-containedmultifunc- tion diffuse ultrasonic sensor witha sensing range of50 to 2200 mm in three ranges.
2 switching outputs - easely set up for two different out- put modes and adjusted by teach-in - makes it ideal for level control tasks in a wide varietyofvessels. Asturdy one-piece polyester housing provides the perfect pack- aging for the sophisticated microprocessor controlled and digitally filtered sensor electronics. Excellent EMC performanceandpreci- sionaretypicalfeaturesof this sensor on true distance measurement.
Ultrasonic sensor Housing style Housing size Housing material Housing length Detection principle Sensing distance Output type
Output configuration
Connection
Teach-in
Type Selection
Housing Connec-Rated operatingDigital outputOrdering no. diameter tiondist. (Sn)

NPN/PNP
M18 Plug M12 50-400 mm 2 x NPNUA 18 CAD 04 NP M1 TI M18 Cable 50-400 mm 2 x NPNUA 18 CAD 04 NP TI M18 Plug M12 50-400 mm 2 x PNPUA 18 CAD 04 PP M1 TI M18 Cable 50-400 mm 2 x PNPUA 18 CAD 04 PP TI
M18 Plug M12 100-900 mm 2 x NPNUA 18 CAD 09 NP M1 TI M18 Cable 100-900 mm 2 x NPNUA 18 CAD 09 NP TI M18 Plug M12 100-900 mm 2 x PNPUA 18 CAD 09 PP M1 TI M18 Cable 100-900 mm 2 x PNPUA 18 CAD 09 PP TI
M18 Plug M12 200-2200 mm 2 x NPNUA 18 CAD 22 NP M1 TI M18 Cable 200-2200 mm 2 x NPNUA 18 CAD 22 NP TI M18 Plug M12 200-2200 mm 2 x PNPUA 18 CAD 22 PP M1 TI M18 Cable 200-2200 mm 2 x PNPUA 18 CAD 22 PP TI
Specifications
Rated operating distance (Sn)Reference target: 1 mm metal rolled finish. CAD04: 100 x 100 mm
CAD09 and CAD22:
200 x 200 mm UA18CAD04 50 - 400 mm UA18CAD09 100 - 900 mm UA18CAD22 200 - 2200 mm
Blind zone
UA18CAD04...≤ 50 mm UA18CAD09...≤ 100 mm UA18CAD22...≤ 200 mm
Repeatability 0.5%
Beam angle
UA18CAD04...±8˚ UA18CAD09...±7˚ UA18CAD22...±7˚
Adjustment
Push-buttonP1 (farthest setpoint) P2 (nearest setpoint)
Temperature drift ≤ 0.1%/˚C @ -20˚ to +60˚ C
Temperature compensationYes
Specifications are subject to change without notice (13.05.2014) 1