Reference: UA30CAD60PGTI

Selected parameters SYSTEM Sensor HOUSING M30 SENSING RANGE >3 m CONNECTION Cable OUTPUT PNP + 4...20 mA DC MATERIAL Plastic Others HOUSING M30 (Ø39) x 89.5 mm SENSING RANGE 6 m MATERIAL Thermoplastic polyester

Buy it at Electric Automation Network

Ultrasonic
Diffuse, Analogue and Digital Output
Types UA30CAD60....TI
• Cylindrical M30 with Ø40 front and PBT housing
• Sensing distance: 350-6000 mm
• Power supply: 12 (15) to 30 VDC
• Outputs: 0-10 VDC or 4-20 mA and one switching output NPN or PNP.
• Linearity error 1%
• Repeatability 1%
• Beam angle. ±7°
• Protection: Short-circuit, reverse polarity and overvoltage
• Protection degree IP 67, Nema 4X
• 2 m cable or M12 plug
Product Description
Ordering Key UA30CAD60NGM1TI
A family of diffuse ultrasonic sensors with sensing ranges from350-6000mmwitha resolution as low as 15 mm. The sensor contains both an analogue and a digital output. The output is either 0-10V or
4-20 mA and the digital output NPN or PNP, NO or NC which formsa windowsdetection.
The sensor is the ideal choice for distance measurement, level measurement, diameter measurement or loop control. Due to use of microproces- sor control the digital filtering makes the sensor immune to most electromagnetic inter- ferences.
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 operatingAnalog Digital outputOrdering no. diameter tiondist.

(Sn) OutputNPN/PNP
M30 Plug M12 350-6000 mm 4-20 mANPNUA 30 CAD 60 NG M1 TI M30 Cable 350-6000 mm 4-20 mANPNUA 30 CAD 60 NG TI M30 Plug M12 350-6000 mm 0-10 V NPNUA 30 CAD 60 NK M1 TI M30 Cable 350-6000 mm 0-10 V NPNUA 30 CAD 60 NK TI M30 Plug M12 350-6000 mm 4-20 mAPNPUA 30 CAD 60 PG M1 TI M30 Cable 350-6000 mm 4-20 mAPNPUA 30 CAD 60 PG TI
M30 Plug M12 350-6000 mm 0-10 V PNPUA 30 CAD 60 PK M1 TI
M30 Cable 350-6000 mm 0-10 V PNPUA 30 CAD 60 PK TI
Specifications
Rated operating distance (Sn)Reference target: 1 mm metal rolled finish, size 200 x 200 mm
350 - 6000 mm
Blind zone≤ 350 mm
Repeatability 1% Linear Accuracy1% Beam angle ±7˚ Sensitivity
Push-buttonP1 (longest setpoint)
P2 (shortest setpoint) Resolution2 mm
Temperature drift ±5% Temperature compensationYes Hysteresis (H)Min. 2.0%
Rated operational voltage (UB)
NG or PG versions 12 to 30 VDC
NK or PK versions15 to 30 VDC (ripple included)
Ripple (Urpp)≤ 5%
No-load supply current (Io)50 mA @ UB max
Output current continuous digital output (Ie)
Max. load capacity 100 nF300 mA
Output current short-time digital output (I)
Max. load capacity 100 nF300 mA
Minimum operational current
digital output (Im)0.5 mA
OFF-state current digital
output (Ir) 10 µA
Specifications are subject to change without notice (12.05.2014) 1