Creating Safe Work Solutions During COVID-19

T30R-1515-KUQ

▸ PRODUCTS FOR INDUSTRIAL AUTOMATION

T30R R-GAGE Series Radar Sensor

Range 15 m; Input 10-30 V dc

0-10 V Analog, 1 NPN/PNP Configurable with IO Link

5 Pin Euro (M12) Quick Disconnect

Part Number: 808901

ACCESSORIES TO COMPLETE YOUR SYSTEM

Add all or individual items to your cart. More options available below.

SMB30A

Bracket: Right Angle Mounting
Material: 12 Gauge Stainless Steel
Curved mounting slot for versatility/orientation
Clearance for M6 (1/4 in.) hardware

In Stock

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PRO-KIT

DK-Pro Series Accessory Kit Includes
Converter Cable, Splitter
and Power Supply

In Stock

MQDEC2-506

Euro-Style Quick Disconnect Cable with Shield
5-Pin Straight Connector
2 m (6.5 ft) in Length
Chrome-plated brass coupling nut

In Stock

SPECIFICATIONS

Sensing Beam	Radar
PC Configurable	Yes
Operating Frequency	122 GHz
Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Time of Flight
Housing Style	Barrel
Device Type	Sensor
Primary Housing Material	PBT
Input/Output	Analog & Discrete
Indicator	LED(s)
Analog Output Configuration	0-10 V dc
Connection	Integral QD
Radar Beam Pattern (H x V °)	15 x 15
Quick Disconnect Type	M12 (Euro)
Analog Resolution/Discrete Repeatability	< 1 mm at Excess Gain >= 10x < 10 mm at Excess Gain < 10x
Max Sensing Distance (mm)	15000

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Minimum Sensing Distance (mm)	150
Sensing Beam	Radar
Power Supply	12-30 V dc
Delay at Power-up (ms)	300
Adjustments	Software; Push Button; Remote Teach
Number of Pins	5
Vibration	MIL-STD-202F req. Method 201A (vibration:10 to 60Hz max., double amplitude 0.06", max acc. 10G).
Mechanical Shock	MIL-STD-202G, Meth. 213B, conditions H&I (Shock: 75G with unit operation: 100G for non-operation).
Output Saturation Voltage NPN Outputs	< 3 V at 50 mA
Output Saturation Voltage PNP Outputs	< 3 V at 50 mA
Analog Voltage Output Rating	2.5 kΩ min. load impedance
Max Discrete (Switched) Output (mA)	50
Discrete (Switched) Outputs	1 NPN/PNP Configurable
Output Protection	Protected against short circuit
IP Rating	IP67
Max Operating Temperature (°C)	65
Min Operating Temperature (°C)	-40
Max Op. Relative Humidity Non-Condensing (%)	95 at 50°C
Minimum Response Time (ms)	6
Analog Linearity (mm)	+/- 4 mm from 300 to 600 mm; +/- 15 mm from 600 mm to 15 m
Barrel Diameter (mm)	30
Minimum Window Size (mm)	20
Remote Teach and Laser Control Input Impedence	55 kΩ
Discrete Output Hysteresis (mm)	Manually settable from 50 to 15000 mm

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Max Off-state Leakage Current (µA)	NPN: < 40 at 30 V dc; PNP: < 10 at 30 V dc
Power/Current Consumption (exclusive of load)	100 mA max @ 24 V dc
Supply Protection Circuitry	Protected against reverse polarity and transient overvoltages
Feature: Remote Teach	Yes
Feature: Clear Object Detection	Yes
Feature: Timing (Hold/Delay)	Yes
Feature: Chemical Resistant	No
Common Ethernet Protocol	No
IO Link	Yes
PROFINET	No
RS-232	No
RS-422	No
RS-485	No
SSI	No
Wireless	No
1-wire Serial Interface	No
Profibus	No
Cert: US	Yes
Cert: European	Yes

COMPATIBLE PRODUCTS

BRACKET

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SMB1815SF

Bracket: Swivel with set screws for mounting
Black reinforced thermoplastic polyester
Used for mounting of T18 or T30 by its cable hub
Hardware included

SMB30A

Bracket: Right Angle Mounting
Material: 12 Gauge Stainless Steel
Curved mounting slot for versatility/orientation
Clearance for M6 (1/4 in.) hardware

SMB30C

Bracket: Stainless Steel Mounting
Material: Black VALOX
30mm split clamp
Hardware included

SMB30FA

SMB30FA Bracket: Swivel with Tilt and Pan Movement 30mm Mounting Hole 3/8-16x2in Bolt Thread Mount

SMB30FAM10

SMB30FAM10 Bracket: Swivel with Tilt and Pan Movement 30mm Mounting Hole M10-1.5x50 Bolt Thread

SMB30FVK

SMB30FVK Bracket: V-Clamp Flat with Fasteners for Mounting Sensor with 30mm Threads to Pipe or Extrusions 32.6mm (1.28in)

SMB30MM

Bracket: 30mm
Material: 12 Gauge Stainless Steel
Curved mounting slot for versatility/orientation
Clearance for M6 (1/4 in.) hardware

SMB30RAVK

Bracket: V-Clamp Mount
30 mm hole to 28 mm tube
Right-angle

SMB30S

Bracket: Plastic
Material: Black Polyester
30 mm Swivel
Hardware included

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SMB30SC

Bracket: Compact 30 mm Swivel
Black reinforced thermoplastic polyester
Wide Range of Articulation
Hardware included

SMB30SM

Bracket: Swivel
Material: Black VALOX
Swivel ball is locked when bolts are tightened
Hardware included

SMBAMS30P

Bracket: 30 mm flat bracket
Material: 12 Gauge Cold Rolled Steel
Curved mounting slot for versatility/orientation

SMBAMS30RA

Bracket: 30mm Right Angle
Material: 12 Gauge cold rolled steel
Curved mounting slot for versatility/orientation

PRO CONVERTER CABLE

PRO-KIT

DK-Pro Series Accessory Kit Includes
Converter Cable, Splitter
and Power Supply

DOUBLE-ENDED CORDSETS

MQDEC3-506SS

Euro-style Quick Disconnect Cable
Double-ended 5-pin Male Connector Straight
5-pin Female Connector Straight 1.83 m Length
Chrome Plated Brass Coupling Nut; Shield Wire Grounded to Coupling Nut

MQDEC3-515SS

Euro-style Quick Disconnect Cable
Double-ended 5-pin Male Connector Straight
5-pin Female Connector Straight 4.58 m Length
Chrome plated brass coupling nut; Shield wire grounded to coupling nut

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MQDEC3-530SS

Euro-style Quick Disconnect Cable
Double-ended 5-pin Male Connector Straight
5-pin Female Connector Straight 9.2 m Length
Chrome plated brass coupling nut; Shield wire grounded to coupling nut

SINGLE-ENDED CORDSETS

MQDEC2-506

Euro-Style Quick Disconnect Cable with Shield
5-Pin Straight Connector
2 m (6.5 ft) in Length
Chrome-plated brass coupling nut

MQDEC2-506RA

Euro-Style Quick Disconnect Cable with Sheild
5-Pin Right-Angle Connector
2 m (6.5 ft) in Length
Chrome-plated brass coupling nut

MQDEC2-515

Euro-Style Quick Disconnect Cable with Shield
5-Pin Straight Connector
5 m (15 ft) in Length
Chrome-plated brass coupling nut

MQDEC2-515RA

Euro-Style Quick Disconnect Cable with Sheild
5-Pin Right-Angle Connector
5 m (15 ft) in Length
Chrome-plated brass coupling nut

MQDEC2-530

Euro-Style Quick Disconnect Cable with Shield
5-Pin Straight Connector.C
9 m (30 ft) in Length
Chrome-plated brass coupling nut

MQDEC2-530RA

Euro-Style Quick Disconnect Cable with Shield
5-Pin Right-Angle Connector
9 m (30 ft) in Length
Chrome-plated brass coupling nut

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MQDEC2-550

Euro-Style Quick Disconnect Cable with Sheild
5-Pin Straight Connector
15 m (50 ft) in Length
Chrome-plated brass coupling nut

MQDEC2-550RA

Euro-Style Quick Disconnect Cable with Shield
5-Pin Right-Angle Connector
15 m (50 ft) in Length
Chrome-plated brass coupling nut

SPLITTERS

CSB-M1251M1251B

Euro-style Quick Disconnect Splitter Cable
5-Pin Straight male Eurofast 0.30 m (1 ft) Trunk
5-Pin Straight Female Eurofast 0.30m (1 ft) Branch 1
5-Pin Straight Female Eurofast 0.30 m (1 ft) Branch 2
Nickel Plated Brass Coupling Nuts Black Jacket

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