

# K50RF-8060-LDQ

► K50R SERIES RADAR SENSORS



K50R R-GAGE Series Radar Sensor  
 Range 3.0 m; 80x60 degree FOV; Flat Mount  
 Input: 10-30 V dc; Output 2 NPN/PNP Configurable  
 5-pin M12 Integral QD  
 Part Number: 812848

CERTIFICATIONS



SPECIFICATIONS

Power	DC
PFM Output	Yes
Sensing Beam	Radar
Jam Detection	No
Operating Frequency	60 GHz
PC Configurable	Yes
IP Rating	IP67
FOV Type	Fixed
Supply Voltage	10-30 V dc
Item Status	RELEASED
Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Time of Flight
Housing Style	Flat Pack
Device Type	Sensor
Primary Housing Material	ABS/Polycarbonate
Input/Output	Discrete
Radar Beam Pattern (H x V °)	80 x 60
Connection	Integral QD
Quick Disconnect Type	M12
Max Sensing Distance (mm)	2500
Minimum Sensing Distance (mm)	100
Adjustments	Software; Remote Teach
Number of Pins	5
Discrete (Switched) Outputs	2 NPN/PNP Configurable
Max Operating Temperature (C)	60
Min Operating Temperature (C)	-40
Minimum Response Time (ms)	200
Laser Control	No

Offline (Contact Us)

Feature: Remote Teach	Yes
Feature: Washdown Rated	No
Feature: Clear Object Detection	Yes
Feature: Timing (Hold/Delay)	Yes
Feature: Chemical Resistant	No
Feature: Pump-in/ Pump-out	No
Feature: Quick Disconnect	Yes
Feature: Health/Marginal Signal Output	No
Application: Ultrasonic	No
Common Ethernet Protocol	No
IO Link	No
RS-232	No
Wireless	No
Cert: US	Yes
Cert: Australia/New Zealand	Yes
Cert: European	Yes
Cert: Canada	Yes
Cert: Singapore	Yes
Cert: Taiwan	Yes
Cert: Thailand	Yes
EPLAN Status	Published
EPLAN Original Sent Date	10/27/2022

**COMPATIBLE PRODUCTS**

**PRO CONVERTER CABLE**

	<p><b>PRO-KIT</b></p> <p>For Discrete Pro Lights and select Sensor products                  Kit includes config cable, splitter, and power supply                  Required for initial software configuration only</p>
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	<p><b>BC-M12F5-22-15</b></p> <p>Cordset: Single-Ended M12                  5-pin Straight Female Connector                  15 m (49.2 ft) 5x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>BC-M12F5-22-2</b></p> <p>Cordset: Single-Ended M12                  5-pin Straight Female Connector                  2 m (6.56 ft) 5x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>
	<p><b>BC-M12F5-22-5</b></p> <p>Cordset: Single-Ended M12                  5-pin Straight Female Connector                  5 m (16.4 ft) 5x22 Black PVC Jacket                  Nickel-Plated Brass Coupling Nut</p>

 Offline (Contact Us)

<b>BC-M12F5-22-8</b>  Cordset: Single-Ended M12 5-pin Straight Female Connector 8 m (26.25 ft) 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
<b>BC-M12F5A-22-2</b>  Cordset: Single-Ended M12 5-pin Right-Angle Female Connector 2 m (6.56 ft) 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
<b>BC-M12F5A-22-5</b>  Cordset: Single-Ended M12 5-pin Right-Angle Female Connector 5 m (16.4 ft) 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
<b>BC-M12F5A-22-8</b>  Cordset: Single-Ended M12 5-pin Right-Angle Female Connector 8 m (26.25 ft) 5x22 Black PVC Jacket Nickel-Plated Brass Coupling Nut
<b>MQDC-506-USB</b>  Converter Cable USB to Banner 1-WIRE 5-pin M12 For Banner Pro Series 0.7 m USB Cable; 1 m M12 Cable