

# Q4XTBLAF300-Q8-801405

# PRODUCTS FOR INDUSTRIAL AUTOMATION



Q4X Series: Laser Adjustable Field Range:300 mm; Input 10-30 V dc Outputs: Bipolar: 1 NPN; 1 PNP

Connection: Euro M12 5-Pin Integral Connector

Part Number: 801405

#### **CERTIFICATIONS**



## **SPECIFICATIONS**

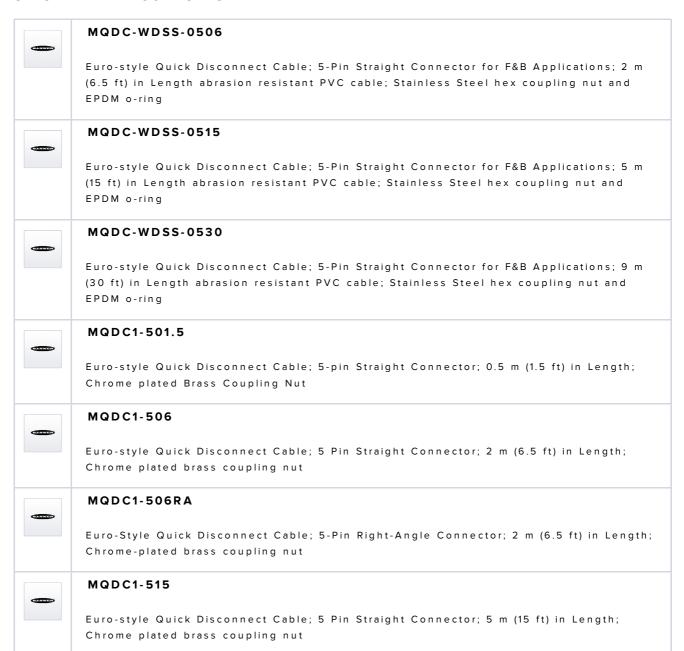
Sensing Mode (General)	Proximity
Sensing Mode (Detailed)	Background/Foreground Suppression
Housing Style	Rectangular w/M18 Mount
Primary Housing Material	Stainless Steel
Laser Classification	Class 1
Input/Output	Discrete
Indicator	Display; LED(s)
Analog Resolution/Discrete Repeatability	25 mm to 50 mm: +/-0.5 mm; 50 mm to 300 mm: +/- 1% of range
Max Sensing Distance (mm)	300
Minimum Sensing Distance (mm)	25
Sensing Beam	Visible Red Laser

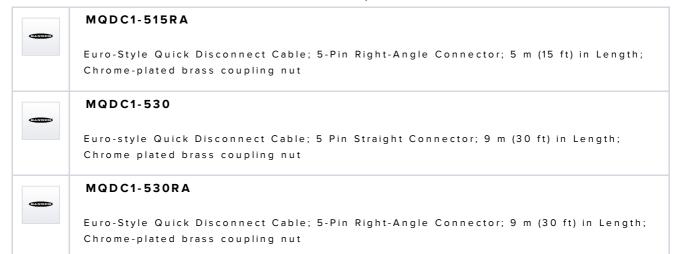
Power Supply	10-30 V dc
Delay at Power-up (ms)	750
Sensing Beam Wavelength (nm)	655
A d j u s t m e n t s	Push Button; Remote Teach
Temperature Effect (mm/°C)	+/- 0.05 mm per °C from 25 to 125 mm, +/- 0.35 mm per °C at 300 mm
Connection	Integral QD
Number of Pins	5
Output Saturation Voltage NPN Outputs	< 1.6 V at 100 mA
Analog Voltage Output Rating	$2.5\ k\Omega$ min. load impedance
Discrete (Switched) Outputs	Bipolar (NPN & PNP)
IP Rating	IP67; IP68; IP69K
Storage Temperature (°C)	-25 to 75
Max Operating Temperature (°C)	50
Min Operating Temperature (°C)	-10
Max Op. Relative Humidity Non-Condensing (%)	95 at 55°C
Window Material	Acrylic
Warm-up Time (minutes)	10
Minimum Response Time (ms)	1.5
Spot Size (@ Reference Distance)	2.0 mm x 0.8 mm @ 300 mm
Barrel Diameter (mm)	18
Minimum Window Size (mm)	0.4
Remote Teach and Laser Control Input Impedence	18 k $\Omega$ min. (65 k $\Omega$ min at 5 V dc)
Discrete Output Hysteresis (mm)	Automatically adjusted
Laser Control	Ye s
Alarm Output (mA)	100
Max Ambient Light (Lux)	5000
Supply Protection Circuitry	Protected against reverse polarity and transient overvoltages

Feature: Remote Teach	Yes
Feature: Washdown Rated	Yes
Feature: Timing (Hold/Delay)	Yes
Feature: Ecolab Certified	Yes
Feature: Chemical Resistant	Yes
IO Link	No
Wireless	No

#### **RECOMMENDED PRODUCTS**

## SINGLE ENDED CORDSETS





## ADAPTERS, BRACKETS, CLAMPS AND MOUNTING ACCESSORIES



Bracket: Kit for 12 mm (1/2 in) Rod Bracket Systems; for: Q4X, QS18, QS30; No Socket

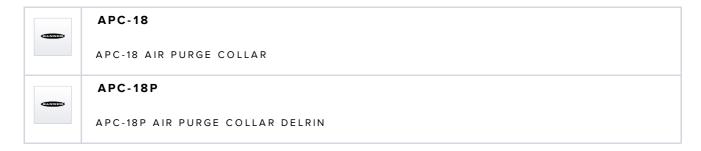
# REFERENCE TARGET

SMBQ4XFAM12

Head Cap Screw (SHCS) included



# **ACCESSORIES**





Banner Engineering Corp. | 9714 Tenth Avenue North | Minneapolis, MN 55441 | United States of America