

# QS18VN6DQ8

## ▶ QS18 SERIES ALL PURPOSE PHOTOELECTRIC SENSOR




WORLD-BEAM QS18 Series: Diffuse  
Range: 450mm; Input: 10-30V dc  
Output: Complementary Solid State NPN  
Integral Euro-Style Quick-Disconnect Connector  
Part Number: 66459

### CERTIFICATIONS



### SPECIFICATIONS

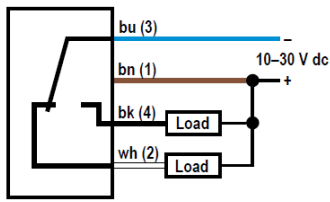
<b>Sensing Beam</b>	Infrared LED
<b>Power</b>	DC
<b>Sensing Mode (General)</b>	Proximity
<b>Sensing Mode (Detailed)</b>	Diffuse
<b>Housing Style</b>	Rectangular w/M18 Mount
<b>Primary Housing Material</b>	ABS
<b>Input/Output</b>	Discrete
<b>Max Sensing Distance (mm)</b>	450
<b>Outputs</b>	NPN
<b>Power Supply/Supply Voltage</b>	10-30 V dc
<b>Connection</b>	Integral QD
<b>Quick Disconnect Type</b>	M12 (Euro)

 Offline (Contact Us)

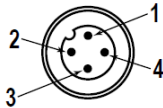
<b>Min Op. Temp. (°C)</b>	-20
<b>Operation</b>	Light/Dark Operate
<b>Max Op. Temp. (°C)</b>	70
<b>Output response time (ms)</b>	0.6
<b>Special Feature: Intrinsically Safe</b>	No
<b>Special Feature: Remote Teach</b>	No
<b>Special Feature: Water Detection</b>	No
<b>Delay at Power-up (ms)</b>	100
<b>Repeatability (µs)</b>	150
<b>Number of Pins</b>	4
<b>IP Rating</b>	IP67
<b>NEMA Rating</b>	NEMA 6
<b>Max Op. Relative Humidity [%]</b>	95% @ 50°C
<b>Lens Material</b>	Acrylic
<b>Adjustments</b>	Potentiometer
<b>Barrel Diameter (mm)</b>	18
<b>Indicator</b>	LEDs
<b>Feature: Timing (Hold/Delay)</b>	No
<b>Feature: Encapsulated</b>	No
<b>Feature: Hazardous Area</b>	No
<b>Feature: Audible</b>	No
<b>Feature: Chemical Resistant</b>	No
<b>Feature: Quick Disconnect</b>	Yes
<b>Feature: Health/ Marginal Signal Output</b>	Yes
<b>DeviceNet</b>	No
<b>IO Link</b>	No

# Wiring Diagrams

## QS18 with NPN Outputs



4-pin M12/Euro-style Models (Male)

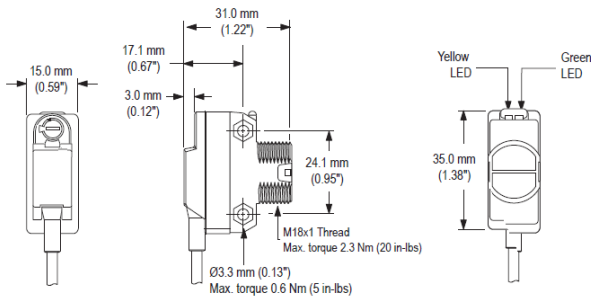


### Key

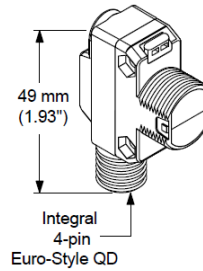
- 1 = Brown
- 2 = White
- 3 = Blue
- 4 = Black

# Dimensions

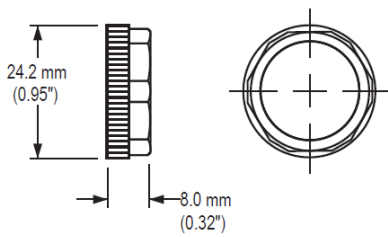
Model Suffix CV15, CV45, D, DL, LV, LP



Model Suffix Q8  
(e.g. QS186EQ8)



M18 x 1 Jam Nut



M3 hardware packet contents:

- 2 - M3 x 0.5 x 20 mm stainless steel screw
- 2 - M3 x 0.5 stainless steel hex nut
- 2 - M3 stainless steel washer

Packing list:

- Sensor
- M18 x 1 jam nut
- M3 hardware packet
- Quick Start Guide, p/n 63687

# Performance Curves

