

EX-QS Standard Options

Option	Description	Part Numbering
Positive Enable	Allows the laser's Enable circuitry to be activated by pulling the enable line to +VIN instead of ground.	P
PNP Output	With this option the sensor is configured for PNP output where a P-channel MOSFET is connected to +VIN.	D
Resistor option (with NPN or PNP output)	With this option, an internal 10 Kohm resistor is connected to the collector output to act as a pull-up resistor or as a pull-down resistor for the PNP option.	U
1 ms Minimum Output Pulse	The minimum output pulse width is set to 1 ms. The default is 5 ms, which is appropriate for most applications.	-01
10 ms Minimum Output Pulse	The minimum output pulse width is set to 10 ms. The default is 5 ms, which is appropriate for most applications.	-10

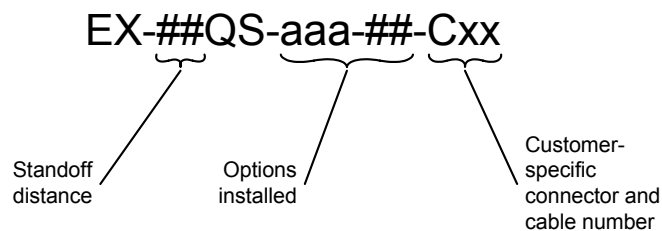
Connectors

Unless otherwise specified, all sensors ordered ship with a 16-inch un-terminated cable. Based on custom specifications, CyberOptics Semiconductor can terminate the cable with a connector. Contact Technical Support to discuss the desired pin-out of the connector and to request a different length cable. Cables with connectors or custom lengths are identified by adding –Cxx to the part number, where xx is a unique two-digit number for each custom configuration.

To identify connector and cable specifications on a sensor from the field, please contact Technical Support with the sensor's part number. If this component of the sensor's part number is not present, the sensor was sold with the standard cable option.

Sensor Part Numbering and Examples

The CyberOptics Semiconductor part number for a sensor is printed on the side label. All sensor part numbers conform to the following part numbering format:



Example 1: EX-43QS-PD-01

43	1.5" standoff distance
P	Positive enable
D	PNP output
-01	1ms delay

This sensor does not have an internal resistor.

Example 2: EX-73QS-U-10-C05

73	2.2" stand off distance
U	Internal resistor
-10	10ms delay
C05	Custom connector

This sensor has the default NPN output with the internal (pull-up) resistor.