EX-Q Part Number Construction & Option Descriptions

Sensor Application → E X - Q - _____

Part # Nomenclature	Standoff Distance
43	1.5"
73	2.2"
83	3.0"
93	4.5"

Part # Nomenclature	Options
P	Positive laser enable
M	Flush mount LED
U	Pull-up resistor
-Cxx	Customer specified connector. **Note:** the C in the part number nomenclature indicates a connector is installed. Each customer ordering a custom connector will have there own two digit connector designation in the part number.
-01	1ms output pulse
-10	10ms output pulse

Option Descriptions

Option	Description	Part # Nomenclature
Laser Enable	The laser enable circuitry is connected internally through a 10k resistor to +VIN. Pulling this line to ground activates the sensor.	
Positive	Allows the laser enable circuitry to be activated by pulling the enable line to +VIN instead of ground.	P
Flush-mount LED	Replaces the standard LEDs that protrude from the case with low-profile LEDs that are flush with the case surface. This option is used in situations where space or LED damage is concerned.	M
Pull-up Resistor	The output signal is connected inside the sensor to the open collector of an NPN transistor. The collector must be connected through a pull-up resistor to a source of positive voltage (+5 to +24 volts). If the internal pull-up resistor option is ordered, an internal 10k resistor is connected to the collector output and no external resistor is required.	U
Special Connector	A connector that is added to increase ease of installation at the user's facility. Customer specifies the connector part number and desired pin-out of the connector and length of cable. Standard sensor is shipped with the cable unterminated, 16" long.	-Cxx
Minimum Output Pulse	Sets the minimum output pulse width in order to accommodate slower interfaces so that the interface camera will always see the pulse. The minimum output pulse width can be set to 1ms or 10ms. The default is 5ms, which is appropriate for most applications.	-01 -10

Example Part Numbers

Example 1: EX-43Q-PM-01

43	1.5" standoff distance
P	Positive enable
M	Flush mount LED
-01	1ms delay

Example 2: EX-83Q-U-C05-01

83	3.0" stand off distance
U	Pull-up resistor
-C05	Custom connector
-01	1ms delay

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