

# Rectangular Inductive Sensor Part Number Key



**Mounting**

- B = embeddable
- N = nonembeddable

**Principle of Operation**

- i = inductive

**Rated Operating Distance (mm)**

**Sensing Characteristics**

- S = side sensing on Q10S sensor
- U = Uprox® Sensor

**Housing Style**

**Rectangular**

- K = smooth
- Q = metal or plastic, various rectangular styles

**Limit Switch**

- CA = Stubby®, short aluminum housing, connector
- CK = Stubby, short plastic housing, connector
- CP = Combiprox®, plastic housing, terminal chamber base with removable sensor

**Housing Height (mm)**

**Number of LEDs**

- (blank) = no LEDs
- X = 1 LED
- X2 = 2 LEDs

**Voltage Range**

**AC/DC: (No SCP)\*\***

- 3 = 20-250 VAC, 10-300 VDC
- 31 = 20-250 VAC, 10-300 VDC, plastic barrel

**AC/DC: (Latched SCP)**

- 30 = 20-250 VAC, 10-300 VDC 400 mA
- 32 = 20-250 VAC, 10-300 VDC 400 mA

**DC:**

- 4 = 10-65 VDC, polarity protected, pulsed SCP\*\*
- 6 = 10-30 VDC, polarity protected, pulsed SCP
- \*\*SCP = short-circuit and overload protection

**Output**

- D = 2-wire DC (transistor output)
- DZ = 2-wire AC/DC, (power MOSFET output)
- N = NPN transistor (current sinking)
- P = PNP transistor (current sourcing)
- Z = 2-wire AC or 2-wire AC/DC

**Output Function**

- A = normally open (N.O.)
- F = connection programmable (N.O. or N.C.)
- V = complementary outputs: one N.O., one N.C.
- Y0 = NAMUR output, requires switching amplifier
- Y1 = NAMUR output, requires switching amplifier/ATEX approved

**Secondary Housing Modifier**

- SR = straight terminal chamber

**NOTE:**

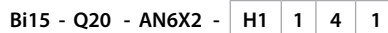
Part number keys are to assist in identification only.  
Verify new part numbers with factory; some configurations are not possible.

We reserve the right to make technical alterations without prior notice.

Rectangular Inductive Sensors

**Wiring Options\***

**A. Connectorized Sensor**



**Connector Family**

- B1 = Minifast®, Metal, Male
- B2 = Minifast, Plastic, Male
- B3 = Microfast®, Metal, Male
- H1 = Eurofast®, Metal or Plastic, Male
- V1 = Picofast®, Metal, Male
- V2 = Picofast, Snap and M8x1, Male (Q08 Only)

**Connector/Sensor Transition**

- 1 = straight

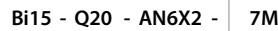
**Wiring Configuration**

**Example:**

- 1 = Standard
- 3 = N.C. DC Output on Pin 4 (for US)

**Number of Pins**

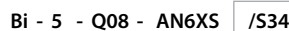
**B. Potted Cable**



**Cable Length**

- Blank = 2 meter cable
- 7M = 7 meter cable

**Special Option Codes\*\***



**Option Code**

**Example:**

- /S34 = Weld Field Immune
- /S97 = -40 °C (-40 °F) Operating Temperature
- /S100 = +100 °C (+212 °F) Operating Temperature

- /S1590 = CK/CA40 sensors with Weldguard laminate
- /S1591 = CA40 sensors with Weldguard and Armorguard

