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E55 Limit Switch Style Inductive Proximity Sensors with Nonmetallic Housings

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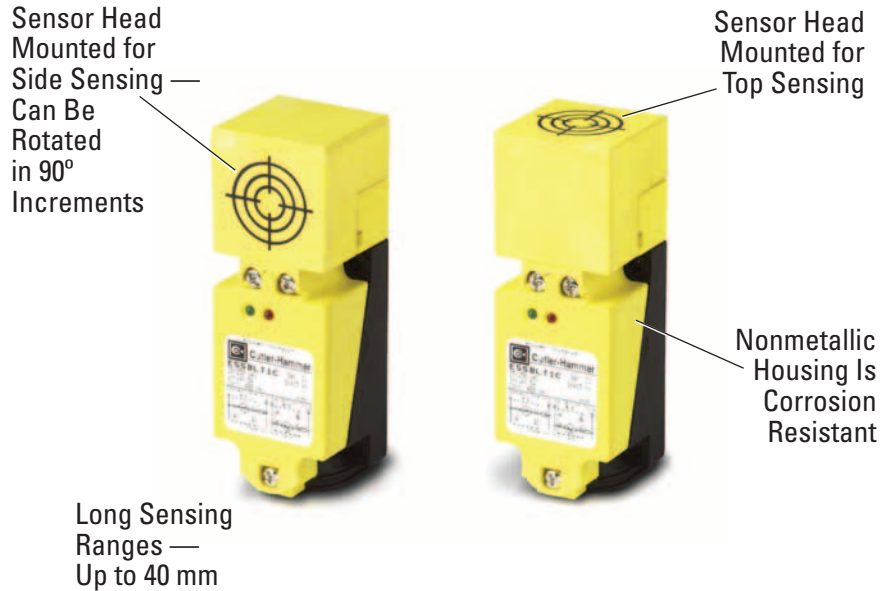
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These Cutler-Hammer® Sensors from Eaton’s electrical business feature PBT resin housings for high resistance to corrosion. The housing is sized to offer a direct replacement for standard limit switches. The unique sensing head is factory assembled for top sensing, but can be easily converted in the field to any one of four side sensing positions. Models are available with sensing ranges from 15 mm to 40 mm. The sensors can be wired for N.O. or N.C. operation.



Unless otherwise noted, the products contained in this document are not designed or intended for use in human safety applications.

These Nonmetallic Sensors Provide Corrosion Resistance in a Common Limit Switch Style Package



Product Features

- Nonmetallic housing offers excellent resistance to corrosion
- Same form factor and mounting as standard limit switches for easy retrofit
- Sensor head features five sensing positions (top and all four sides) that can be easily changed in the field
- Long sensing ranges up to 40 mm

Model Selection

Operating Voltage	Sensing Range (Sn)	Shielding	Output	Connection Type	Catalog Number
2-Wire Sensors					
35 – 250V AC	15 mm	Shielded	N.O. or N.C.	Terminal Wiring	E55BLT1C
	20 mm	Unshielded	N.O. or N.C.	Terminal Wiring	E55BLT1D
	30 mm	Unshielded	N.O. or N.C.	Terminal Wiring	E55BLT1E
	40 mm	Unshielded	N.O. or N.C.	Terminal Wiring	E55BLT1F

■ Stocked product, typical order quantities guaranteed in stock.

For Customer Service in the U.S. call 1-877-ETN CARE (386-2273), in Canada call 1-800-268-3578. For Application Assistance in the U.S. and Canada call 1-800-426-9184.

Wiring Diagrams (Pin numbers are for reference, rely on pin location when wiring)

Operating Voltage	Output	Terminal Models
2-Wire Sensors		
35 – 250V AC ①	N.O.	
	N.C.	

① Switches are shipped as N.O. configuration. Internal jumpers must be moved to program for N.C.

Specifications

Description	Specification
Operating Voltage	35 – 250V AC
Maximum Load Current	400 mA
Switching Frequency	25 Hz maximum
Leakage Current	1.8 mA
Voltage Drop	8V maximum
Inrush	5A maximum for 20 mS
Indicator LEDs	Two LEDs: One lights when power is ON, the other lights when output is ON
Operating Temperature	-13° to 158°F (-25° to 70°C)
Enclosure Ratings	NEMA 4, 4X, 6, 12, 13 (IP67)
Housing Material	PBT Resin

Approximate Dimensions in Inches (mm)

