E51 Limit Switch Style, Factory Sealed 6P+ Sensors

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# E51 Limit Switch Style, Factory Sealed 6P+ Sensors

## **Product Description**

E51 6P+ Inductive Proximity Sensors from Eaton's Electrical Sector are fully sealed, pre-wired and designed specifically to ensure reliability under the most adverse of environmental conditions. They have been proven to withstand the penetrating properties of dirt, dust, grit, extreme temperatures and humidity. The unitized design eliminates plug-in connections that can lead to reliability problems in rugged environments.

## Features

- The one-piece body and sensing head are both epoxy filled to protect internal components from contamination
- The head is hard-wired to the sensor body to ensure trouble-free performance
- Choose from top and side sensing heads
- Side sensing heads can be rotated to any of four positions
- Mounting dimensions allow direct replacement of worn out limit switches
- Rugged zinc die cast construction withstands physical abuse
- Connection options include pre-wired cable, body mounted connector and pigtail connector



THIS SENSOR IS NOT A SAFETY DEVICE AND IS NOT INTENDED TO BE USED AS A SAFETY DEVICE. This sensor is designed only to detect and read certain data in an electronic manner and perform no use apart from that, specifically no safetyrelated use. This sensor product does not include self-checking redundant circuitry, and the failure of this sensor product could cause either an energized or de-energized output condition, which could result in death, serious bodily injury, or property damage.

For the most current information on this product, visit our Web site: www.eaton.com 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. E51 Limit Switch Style, Factory Sealed 6P+ Sensors

## **Product Selection**

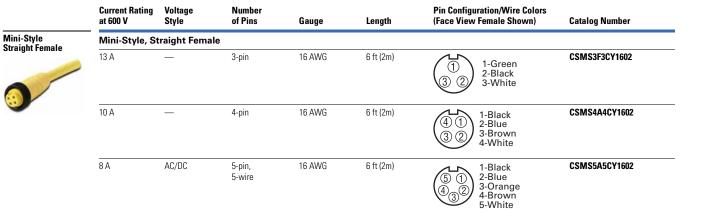
#### **Unitized Sensors**

# Assembled Sensor Factory Sealed 6P+ Assembled Sensors

-	-			Two-Wire Sense	ors	Four-Wire Senso	rs	
27	10	1		20–264 Vac/dc		120 Vac	10–30 Vdc	
	4					NO and NC	NO and NC complementary	
			Output	NO	NC	complementary	PNP	NPN
	Sensing			Assembled Sensor with Head, Sensor Body and Receptacle				
<b>S</b> 2	Range	Shielding	Frequency <sup>3</sup>	Catalog Number	r			
2	Top Sensing	ļ						
	0.51 in (13 mm)	Shielded	Standard	E51ALT16PU	E51BLT16PU	E51CLT16PU	E51PLT16PU	E51NLT16PU
			Alternate	E51ALT26PU	E51BLT26PU	E51CLT26PU	E51PLT26PU	E51NLT26P
	0.94 in (24 mm)	Unshielded	Standard	E51ALT56PU	E51BLT56PU	E51CLT56PU	E51PLT56PU	E51NLT56P
			Alternate	E51ALT66PU	E51BLT66PU	E51CLT66PU	E51PLT66PU	E51NLT66P
2	Side Sensin	g						
	0.51 in (13 mm)	Shielded	Standard	E51ALS16PU	E51BLS16PU	E51CLS16PU	E51PLS16PU	E51NLS16P
			Alternate	E51ALS26PU	E51BLS26PU	E51CLS26PU	E51PLS26PU	E51NLS26P
	0.94 in (24 mm)	Unshielded	Standard	E51ALS56PU	E51BLS56PU	E51CLS56PU	E51PLS56PU	E51NLS56P
1			Alternate	E51ALS66PU	E51BLS66PU	E51CLS66PU	E51PLS66PU	E51NLS66P

## **Compatible Connector Cables**

## Standard Cables <sup>®</sup>



#### Notes

<sup>①</sup> Switch bases feature 8 ft of SOOW-A cable. Other connection options are available:

Connection Option <sup>(4)</sup>	Instructions	Example	
Mini-connector mounted on 3 ft (0.9m) pigtail cable (3-pin for two-wire sensors; 5-pin for four-wire sensors)	Add the letter ${\bf T}$ before ${\bf U}$	E51ALT16PTU	
Mini-connector mounted to switch base (3-pin for two-wire sensors; 5-pin for four-wire sensors)	Add the letter ${\bf C}$ before ${\bf U}$	E51ALT16PCU	
Cable longer than 8 ft, add required length in 1 ft increments to listed catalog number—20 ft maximum	Add length in feet to end of catalog number	E51ALT16PU12®	

② Sensor head is hard wired to sensor body and cannot be detached. Side sensing head can be unfastened and rotated to any of four positions.

③ Sensor heads feature color coded target symbols: Yellow for standard frequency; Green for alternate frequency.

<sup>④</sup> See listing of compatible connector cables above.

<sup>⑤</sup> For 12 ft.

 $^{\scriptsize (6)}$  For a full selection of connector cables, see Tab 10, section 10.1.