

**Standard Sensors—Assembled with Receptacles**

Sensor body is attached to receptacle with tamper-proof screws.

**Assembled Sensor**

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**Assembled Sensors—Standard (with Epoxy Filled Receptacles and Pre-wired Cables)****Sensor Base Type with 8 ft Cable ②**

Operating voltage	<b>Two-Wire Sensors</b> 20–264 Vac/dc	<b>Four-Wire Sensors</b> 120 Vac	10–30 Vdc
Output	NO or NC ①	NO and NC complementary	NO and NC complementary PNP                      NPN

**Sensor Heads ①****Top Sensing**

Sensing Range	Shielding	Frequency	Sensor Head Only Catalog Number	Assembled Sensors with Head and Sensor Base Catalog Number						
Top Sensing										
0.51 in (13 mm)	Shielded	Standard	E51DT1	E51ALT16P	Ⓒ Ⓒ	E51CLT16P	E51PLT16P	Ⓒ Ⓒ	E51NLT16P	Ⓒ Ⓒ
		Alternate	E51DT2	E51ALT26P		E51CLT26P	E51PLT26P	Ⓒ Ⓒ	E51NLT26P	Ⓒ Ⓒ
0.94 in (24 mm)	Unshielded	Standard	E51DT5	E51ALT56P	Ⓒ Ⓒ	E51CLT56P	E51PLT56P	Ⓒ Ⓒ	E51NLT56P	Ⓒ Ⓒ
		Alternate	E51DT6	E51ALT66P	Ⓒ Ⓒ	E51CLT66P	E51PLT66P	Ⓒ Ⓒ	E51NLT66P	Ⓒ Ⓒ
Side Sensing										
0.51 in (13 mm)	Shielded	Standard	E51DS1	E51ALS16P	Ⓒ Ⓒ	E51CLS16P	E51PLS16P	Ⓒ Ⓒ	E51NLS16P	Ⓒ Ⓒ
		Alternate	E51DS2	E51ALS26P	Ⓒ Ⓒ	E51CLS26P	E51PLS26P	Ⓒ Ⓒ	E51NLS26P	Ⓒ Ⓒ
0.94 in (24 mm)	Unshielded	Standard	E51DS5	E51ALS56P	Ⓒ Ⓒ	E51CLS56P	E51PLS56P	Ⓒ Ⓒ	E51NLS56P	Ⓒ Ⓒ
		Alternate	E51DS6	E51ALS66P	Ⓒ Ⓒ	E51CLS66P	E51PLS66P	Ⓒ Ⓒ	E51NLS66P	Ⓒ Ⓒ

**Side Sensing****Sensor Heads****Sensor Heads ①**

	Sensing Range	Shielding	Frequency	Target Material	Catalog Number
	Top Sensing				
	0.51 in (13 mm)	Shielded	Standard	All metals	E51DT1
			Alternate		E51DT2
	0.94 in (24 mm)	Unshielded	Standard	All metals	E51DT5
			Alternate		E51DT6
	Side Sensing				
	0.51 in (13 mm)	Shielded	Standard	All metals	E51DS1
			Alternate		E51DS2
	0.94 in (24 mm)	Unshielded	Standard	All metals	E51DS5
			Alternate		E51DS6

**Notes**

① All sensor heads feature a programmable output selector switch for NO or NC operation. Operation is as follows:

For This Output Type:	Set Selector Position:	
	"TARGET"	"NO TARGET"
NO	Target present	Target absent
NC	Target absent	Target present

② Switch bases feature 8 ft of SOOW-A cable. Other connection options are available:

Connection Option ③	Suffix	Example
Mini-connector mounted on 3 ft (0.9m) pigtail cable	<b>T</b>	<b>E51ALT16PT</b>
Mini-connector mounted to switch base	<b>C</b>	<b>E51ALT16PC</b>
Cable longer than 8 feet, add required length in 1 ft increments to listed catalog number—20 ft maximum	<b>Length in ft</b>	<b>E51ALT16P12 for 12 ft</b>

③ See listing of compatible connector cables on **Page V8-T3-93**.