Compatible Connector Cables

Standard Cables [1]

	Current Rating at 600 V	Voltage Style	Number of Pins	Gauge	Length	Pin Configuration/Wire Colors (Face View Female Shown)		Catalog Number
Micro-Style, Straight Female								
Micro-Style Straight Female	13 A	—	3-pin	16 AWG	6 ft (2m)		1-Green 2-Black 3-White	**CSMS3F3CY1602**
	10 A	AC/DC	4-pin, four-wire	16 AWG	6 ft (2m)		1-Black 2-Blue 3-Brown 4-White	**CSMS4A4CY1602**
	8 A	—	5-pin	16 AWG	6 ft (2m)		1-White 2-Red 3-Green 4-Orange 5-Black	**CSMS5D5CY1602**

Accessories

E51 Modular Limit Switch Style Sensors

	Description	Catalog Number
One Hole	**Universal Mounting Bracket**	
	One hole, includes mounting hardware, stainless steel	**E51KH2**
Two Holes	Two holes, includes mounting hardware, steel	**E51KH4**
Machine Mounting Bracket	**Machine Mounting Bracket**	
	Zinc die cast construction	**E50KH3**
Stand-Off Mounting Bracket	**Stand-Off Mounting Bracket**	
	Steel construction	**E51KH3**
Remote Sensor Head Assembly	**Remote Sensor Head Assembly**	
	Permits mounting sensor head up to 3 ft (0.9m) from sensor body	**E51KRM**

Dimensions, see **Page V8-T3-95**.

Note

[1] For a full selection of connector cables, see **Tab 10**, **section 10.1**.

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Accessories

E51 Limit Switch Style, Factory Sealed 6P+ ①

	Description	Catalog Number
One Hole	**Universal Mounting Bracket**	
	Includes mounting hardware, stainless steel	**E51KH2**
Two Holes	Includes mounting hardware, steel	**E51KH4**
Machine Mounting Bracket	**Machine Mounting Bracket**	
	Zinc die cast construction	**E50KH3**
Stand-Off Mounting Bracket	**Stand-Off Mounting Bracket**	
	Steel construction	**E51KH3**
	Dimensions, see **Page V8-T3-100**.	

Technical Data and Specifications

E51 Limit Switch Style, Factory Sealed 6P+

Description	Specification
Output rating (NEMA D150)	
AC/DC models	0.5 A continuous
AC models	1 A continuous
DC models	0.6 A continuous
Protection	Latching short-circuit protection on two-wire AC/DC and three-wire DC models
Switching rate	AC models: 15 Hz; DC models: 50 Hz
Indicator LEDs	Lights when output is ON. One LED for each output
Alternate frequency	Standard and alternate frequencies allow side-by-side operation without interference
Enclosure material	Cast metal
Gasket material	Zinc die cast
Enclosure ratings	NEMA 3, 3S, 4, 4X, 6, 6P, 12 and 13 (IP68)
Temperature range	−13 to 158 °F (−25 to 70 °C)
Torque requirements	Switch body screws: 25–30 in-lbs; sensing head screws: 14–18 in-lbs
OFF-state leakage	DC version: 120 µA; two-wire AC: 1.9 mA maximum; three-wire AC: 1.1 mA
ON-state leakage	<2.5 Vdc

Note

① For a full selection of connector cables, see **Tab 10**, **section 10.1**.

Compatible Connector Cables

**Mini Style
Straight Female**

E51 Limit Switch Style, Modular Sensors [1]

Current Rating at 600V	Voltage Style	Number of Pins	Gauge	Length	Pin Configuration/Wire Colors (Face View Female Shown)		Catalog Number
Standard Cables—Mini Style							
13A	AC/DC	3-pin	16 AWG	6 ft (2m)		1-Green 2-Black 3-White	**CSMS3F3CY1602**
8A	AC/DC	5-pin	16 AWG	6 ft (2m)		1-White 2-Red 3-Green 4-Orange 5-Black	**CSMS5D5CY1602**

Accessories

E51 Limit Switch Style, Modular Sensors

Description	Catalog Number
One-hole, Universal	**Universal Mounting Bracket**
One-hole, includes mounting hardware, stainless steel	**E51KH2**
Two-hole, Universal	**Universal Mounting Bracket**
Two-hole, includes mounting hardware, steel	**E51KH4**
Machine Mounting Bracket	**Machine Mounting Bracket**
Zinc die cast	**E50KH3**
Stand-Off Mounting Bracket	**Stand-Off Mounting Bracket**
Steel	**E51KH3**
Remote Sensor Head Assembly	**Remote Sensor Head Assembly**
Permits mounting sensor head up to 3 ft (0.9m) from sensor body	**E51KRM**

Connector Cables	
A variety of cables, connector blocks and accessories, see **Tab 10**, **section 10.1**	
Dimensions, see **Page V8-T5-106**.	

Note

[1] For a full selection of connector cables, see **Tab 10**, **section 10.1**.