E51 Modular Limit Switch Style Sensors

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
licro-Style traight 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)	(5) (1) 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					
() ⁶							
Machine Mounting Bracket	Machine Mounting Bracket						
	Zinc die cast construction	E50KH3					
Stand-Off Mounting	Stand-Off Mounting Bracket						
Bracket	Steel construction	E51KH3					
Remote Sensor Head	Remote Sensor Head Assembly						
Assembly	Permits mounting sensor head up to 3 ft (0.9m) from sensor body	E51KRM					
2							
	Dimensions, see Page V8-T3-95.						
	Note						

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

E51 Limit Switch Style, Factory Sealed 6P+ Sensors

Accessories

E51 Limit Switch Style, Factory Sealed 6P+ ®

	Description	Catalog Number
One Hole	Universal Mounting Bracket	
	Includes mounting hardware, stainless steel	E51KH2
Two Holes	Includes mounting hardware, steel	E51KH4
()0		
Machine Mounting	Machine Mounting Bracket	
Bracket	Zinc die cast construction	E50KH3
Stand-Off Mounting Bracket	Stand-Off Mounting Bracket	
Бгаскеі	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

 $^{\scriptsize \textcircled{1}}$ For a full selection of connector cables, see Tab 10, section 10.1.

E51 Limit Switch Style, Modular Sensors

Compatible Connector Cables

Mini Style Straight Female

E51 Limit Switch Style, Modular Sensors ®



Current Rating at 600V	Voltage Style	Number of Pins	Gauge	Length	Pin Configuration/Wire Colors (Face View Female Shown)	Catalog Number
Standard Cab	les-Mini Sty	rle				
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, includes mounting hardware, steel E51KH4

Machine Mounting Bracket

Machine Mounting Bracket



Zinc die cast E50KH3



Stand-Off Mounting Bracket

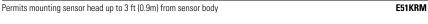


Steel E51KH3

Remote Sensor Head Assembly

Remote Sensor Head Assembly







A variety of cables, connector blocks and accessories, see **Tab 10**, **section 10.1**

Dimensions, see Page V8-T5-106.

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