Accessories

E57PS Performance Short Body Sensors

Description	Reference
Mounting brackets	See **Tab 8**, **section 8.2**
Replacement mounting nuts and other accessories	See **Tab 8**, **section 8.3**
Connector cables	See **Tab 10**, **section 10.1**

Technical Data and Specifications

E57PS Performance Short Body Sensors

Description	Three-Wire DC Sensors
Operating voltage	10–48 Vdc
Maximum load current	300 mA
Switching frequency [Hz]	12 mm—Shielded: 2000; Unshielded: 2000 18 mm—Shielded: 1200; Unshielded: 1200 30 mm—Shielded: 600; Unshielded: 500
Leakage current	100 µA maximum
Voltage drop	≤2.5 V
Holding current	≤10 mA
Short-circuit protection	Yes (Auto Reset)
Switching hysteresis	2–20% of rated sensing distance
Repeat accuracy	1% shielded, 3% unshielded
Output indicator LED	360° amber LED
Operating temperature	–40 to 158 °F (–40 to 70 °C)
Enclosure ratings	IP67, IP69K; NEMA 4, 4X, 6, 6P
Shock	30 g sine wave, 11 ms per IEC68-2-76
Vibration	10 to 55 Hz, 1 mm amplitude
Material of construction	Stainless steel, polycarbonate end bells, Ryton® front cap
Cable	AWM Style 20387 (PVC)

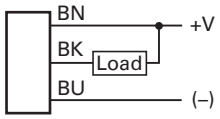
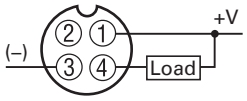
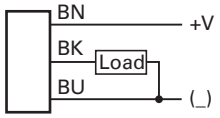
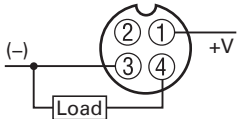
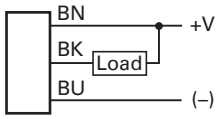
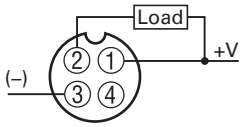
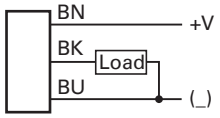
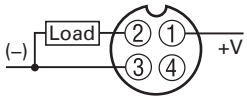
Note

Ryton® is a registered trademark of Phillips Chemical (division of Phillips Petroleum).

Wiring Diagrams

Pin numbers are for reference, rely on pin location when wiring.

E57PS Performance Short Body Sensors

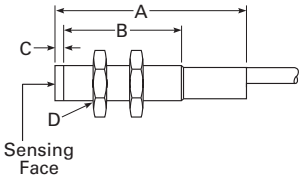
Operating Voltage	Output	Cable Models	Micro-Connector Models (Face View Male Shown)
Three-Wire Sensors			
10–48 Vdc	NO (NPN)		
	NO (PNP)		
	NC (NPN)		
	NC (PNP)		

Dimensions

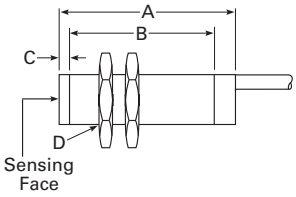
Approximate Dimensions in Inches (mm)

E57PS Performance Short Body Sensors—Cable Models

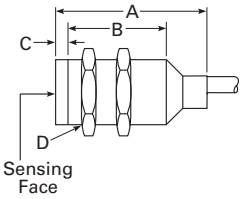
12 mm



18 mm



30 mm



Size	Shielding	Overall Length A	Threaded Length B	Cap Height C	Thread Size D
Three-Wire DC Sensors					
12 mm	Shielded	1.61 (40.9)	1.07 (27.2)	—	M12 x 1
	Unshielded	1.61 (40.9)	0.89 (22.7)	0.20 (5.0)	M12 x 1
18 mm	Shielded	1.77 (44.9)	1.17 (29.8)	—	M18 x 1
	Unshielded	1.77 (44.9)	0.92 (23.3)	0.28 (7.0)	M18 x 1
30 mm	Shielded	1.84 (46.6)	1.15 (29.3)	—	M30 x 1.5
	Unshielded	1.84 (46.6)	0.66 (16.8)	0.51 (13.0)	M30 x 1.5