Sculcon® Series Junction Box with Plug and Cable Units

For Reliable Rack to Vehicle Connection

Description

Sculcon® Plug and Cable units are used to connect a loading rack's overfill monitoring and static grounding system to vehicle mounted overfill sensing systems. They are designed for use only with the intrinsically safe output circuits of Scully's Biclops®, Biclops II, Biclops-III, ST-35, ST-15 and Intellitrol®.

A brief description of standard models follows:

• SC-6A: used with six channel thermistor and thermistor/2-wire optic control monitors such as Biclops and Intellitrol.

• SC-8A and SC-8B: used with eight channel thermistor and thermistor/optic control monitors such as Biclops-II, Biclops-III and Intellitrol.

• SC-6AO: used with optic control monitors such as Scully ST-35, Biclops thermistor/optic versions and Intellitrol.

• SC-8OB: Per the European standard.

• SC-6W: used with optic control monitors such as Scully ST-35, Biclops thermistor/optic versions and Intellitrol.

Technical Specifications

Environmental Temperature:
-40° F to +140° F
(-40° C to +60° C)

Cable: Straight - 20 feet (6m)
Coiled - 30 feet (9m)
The cables working length is enclosed in a fuel resistant jacket. The cable is oil and gas resistant. Other lengths are available upon request as a special order.

Materials: Plug Body: Polyurethane
Insulator: Polycarbonate
Contact Pins = Stainless Steel
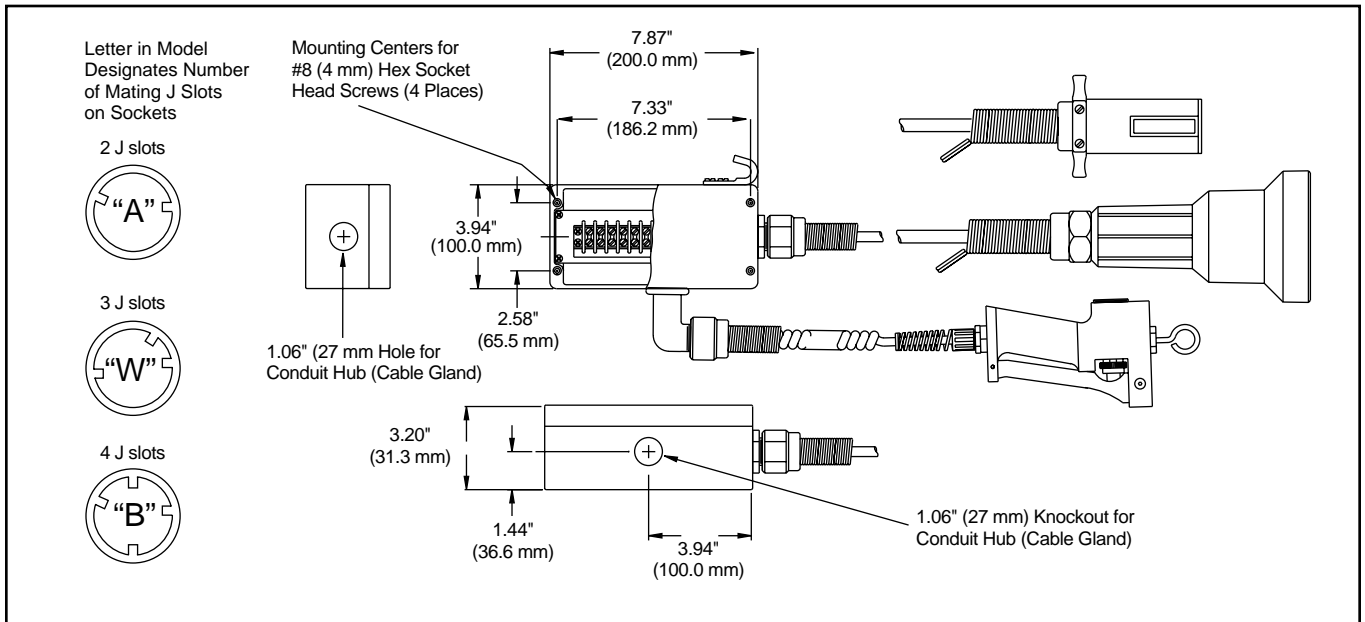Junction Box = Aluminum

Size: See Drawing on back page

Related Tech Data Sheets:
60674 – Scully Sockets
60714 – Scully Poly Plug and Cable Assemblies

Setting New Standards In Safety

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Scully Sculcon Plug and Cable Unit Dimensions (Millimeters in parenthesis)

Letter in Model Designates Number of Mating J Slots on Sockets

2 J slots "A"

3 J slots "W"

4 J slots "B"

Mounting Centers for #8 (4 mm) Hex Socket Head Screws (4 Places)

7.87" (200.0 mm)

7.33" (186.2 mm)

3.94" (100.0 mm)

2.58" (65.5 mm)

1.06" (27 mm Hole for Conduit Hub (Cable Gland)

3.20" (31.3 mm)

1.44" (36.6 mm)

3.94" (100.0 mm)

1.06" (27 mm) Knockout for Conduit Hub (Cable Gland)

Ordering Information

Sculcon Model	Applicable Controllers	Plug Style	Number of Contact Pins, Slots in Mating Socket	Junction box with Coiled Cable Part #	Junction box with Straight Cable Part #
SC-6A	Intellitrol, Biclops, ST-15	Poly-Green	8 pins, 2 J slots[1]	08156	07582
SC-6A/D	Intellitrol, ST-15 and Biclops	Poly-Green	8 pins, 2 J slots	08248	—
SC-6W	Intellitrol, ST-35, ST-35C, and Biclops	Poly-Blue	6 pins, 3 J slots[2]	08159	08139
SC-6W/D	Intellitrol, ST-35 and Biclops	Poly-Blue	6 pins, 3 J slots	08674	—
SC-6AO	Intellitrol, ST-35 and Biclops, Scully Style	Poly-Blue	6 pins, 2 J slots	08161	08160
SC-6OB	Intellitrol, ST-35	Poly-Blue	6 pins, 4 J slots	08689	—
SC-8OB	Intellitrol, (European)	Poly-Black	10 pins, 4 J slots[3]	—	08958
SC-8B	Intellitrol, Biclops III (European)	Poly-Green	10 pins, 4 J slots	—	08959
SC-8A	Intellitrol, Biclops II	Poly-Green	10 pins, 2 J slots	08729	07581
SC-6	Intellitrol, ST-6, ST-35, Biclops	SAE J560-metal	—	07628	08603

WOGA: Western States Petroleum Association   API: American Petroleum Institute

Notes: 1: API RP1004 Thermistor Standard   2: API RP1004 WOGA Optic Standard   3: European Draft Standard EN 296007

Biclops, Dynacheck, Dynamic Self-Checking, Dynamic Self-Test, Faylsafe, IntelliCheck, IntelliTank, Intellitrol, Intelliview, Load Anywhere, Maxsafety, MulteCept, Scully, Sculcon, Scultrol, Scul-Lock, Scul-Tel, Scul-Tite, TABS and V.I.P. are registered trademarks of Scully Signal Company. Specifications are subject to change without notice.

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