Plug & Cable Assembly w/Sculcon Series Junction Box
For Safe and Reliable Rack to Vehicle Connection

Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry

Sculcon Junction Box

Poly Plug & Cable Assemblies

SCULCON JUNCTION BOX DESCRIPTION

The Sculcon Junction Box is used to connect the poly plug cable assembly to the loading gantry control monitor. Available with strain relief for direct termination of the cable assembly into the junction box or a female quick release connector. The quick release option is only available on poly plug straight cable assemblies.

FEATURES AND BENEFITS

- Heavy duty weatherproof powder coated aluminium enclosure

- Cable assemblies can be changed from the Sculcon Junction Box instead of opening the loading rack control monitor.

- Ideal for long cable runs between the loading gantry control monitor and the socket connection point.

- Quick release connectors on the Sculcon junction box and poly plug cable assembly makes changing the poly plug cable quick, easy, and does not require a qualified electrician. This reduces costs and potential downtime.

POLY PLUG & CABLE ASSEMBLIES DESCRIPTION

Scully plugs are made of heavy duty moulded polyurethane with stainless steel contacts. The fuel resistant cables are available in 9 meters coiled or 6 meters straight styles with optional quick release connectors. Scully plugs and cables are the product of years of industry experience and offer durable, efficient operation. They are designed for use only with the intrinsically safe output circuits of the ST15, ST47, and Intellitrol. Scully plugs and cables are used to connect the Scully Intellitrol control monitor to the vehicle mounted socket. The plugs and cables are the pathway for the control unit/sensor signals which monitor the status of overfill prevention, electro-static grounding and vehicle identification during loading operations. The poly plug storage bracket provides safe storage of the poly plug whilst not in use.

FEATURES AND BENEFITS

- Extremely rugged design which can withstand harsh environments and mishandling.

- Non-removable socket locator pins fitted directly into the plug housing.

- Permanent socket locator pins that won't loosen or back out.

- Compression strain relief spring prevents the cable from bending or crimping.

- Heavy-duty petroleum resistant cable with higher visibility and cold weather.
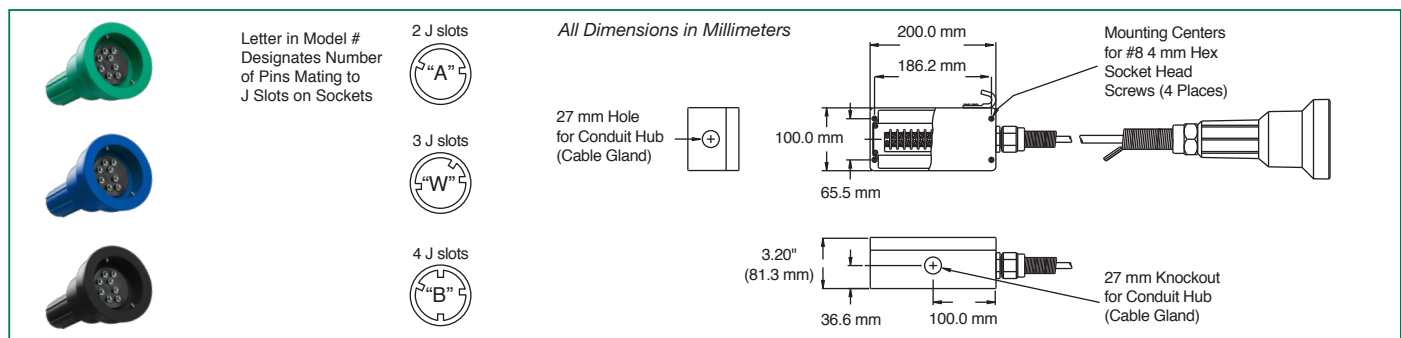
- Internal cable retention clamp to prevent cable pull-out or twisting.

- Moulded glass-reinforced, polycarbonate contact block with positive locator keyways for easy disassembly and/or reassembly.

- Moulded arrow on plug housing for easy visual alignment with socket.

- Stainless steel electrical contact, spring loaded to insure proper contact with the truck socket pins.

- Polyurethane plug shell, colour coded to match Scully truck sockets.

- Quick release connectors makes changing the poly plug cable assembly quick, easy, and does not require a qualified electrician. This reduces costs and potential downtime.

- Scully poly plug mounting brackets and storage hangers provide safe storage of the poly plug whilst not in use preventing unnecessary damage, water/dirt ingress, and reduces potential hazards around the loading gantry.

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For Safe and Reliable Rack to Vehicle Connection

Letter in Model # Designates Number of Pins Mating to J Slots on Sockets

2 J slots "A"
3 J slots "W"
4 J slots "B"

All Dimensions in Millimeters

27 mm Hole for Conduit Hub (Cable Gland)

200.0 mm
186.2 mm
100.0 mm
65.5 mm

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

3.20" (81.3 mm)
36.6 mm
100.0 mm

27 mm Knockout for Conduit Hub (Cable Gland)

TECHNICAL SPECIFICATIONS

Environmental Temperature: -40°C to +60°C (-40°F to +140°F)
10 Conductor Cable: White – 16 Gauge
All Other – 18 Gauge

Straight– 6m (20 feet)
Coiled– 9m (30 feet)

The cables working length is enclosed in a fuel-resistant jacket.
The cable is oil and gas resistant.
Other lengths are available upon request.

Materials: Plug Body: Polyurethane
Insulator: Polycarbonate
Contact Pins: Stainless Steel

Approvals: These devices are part of an intrinsically safe system certified by ATEX

CE 1180   Ex

ORDERING INFORMATION

Description Sculcon Junction Box & Poly Plug Cable Assembly	Part Number
Sculcon Junction Box & SC-8OB Black Plug, Blue Coiled Cable Kit	09146
Sculcon Junction Box & SC-8OB Black Plug, Blue Straight Cable Kit	08958
Quick Release Sculcon Junction Box	0070072ASSY
SC-8OB Black 4J 10-Pin Polyplug & 6m Straight Blue Cable (Quick Release)	0070109ASSY
10 Core Blue Straight Cable (Used between the loading gantry control monitor & Sculcon junction box)	27326
Description Poly Plug & Cable Assemblies	
SC-8OB Black 4J 10-Pin Polyplug & 6m Straight Blue Cable (Crimped Tails)	22484
SC-8OB Black 4J 10-Pin Polyplug & Blue Coiled Cable (Crimped Tails)	32655
SC-8OB Black 4J 10-Pin Polyplug & 6m Straight Blue Cable (Quick Release)	0070109ASSY
Description Poly Plug Storage Solutions	
Poly Plug Storage Bracket	0100756
Indicating Plug Storage Hanger Socket	08279

REPLACEMENT PARTS

Description	Part Number
Sculcon Junction Box	32319
Sculcon Junction Box Entry Gland (Suitable for P/N 27326 10 core straight blue cable)	0100203
Strain Relief (Sculcon Junction Box)	20845
Female Quick Release Connector Assembly (Sculcon Junction Box)	0100275
Male Quick Release Connector Assembly (Poly Plug Cable Assembly)	0100274
SC-8OB Black Poly Plug End	22487
Poly Plug Strain Relief	20848

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