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

**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.

**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

TECHNICAL SPECIFICATIONS

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

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

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
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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