



# Plug & Cable Assembly w/Sculcon Series Junction Box

## For Safe and Reliable Rack to Vehicle Connection



*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 Scully loading rack control monitors. The plugs and cables are the pathway for the control unit/sensor signals which monitor the status of

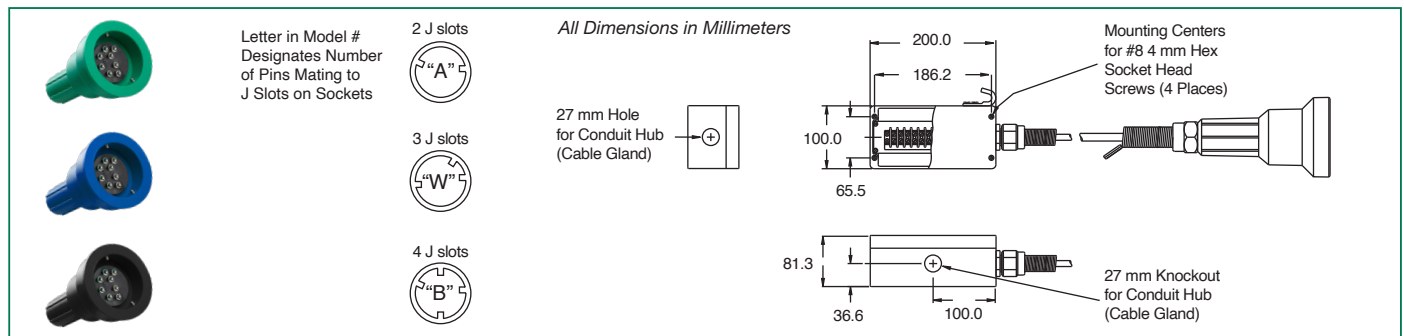
overflow prevention, electrostatic earthing and vehicle identification during loading operations. The poly plug storage bracket provides safe storage of the poly plug whilst not in use.

### 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 flexibility.
- Internal cable retention clamp to prevent cable pull-out or twisting.
- Molded glass-reinforced, polycarbonate contact block with positive locator keyways for easy disassembly and/or reassembly.
- Molded 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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### 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.  
 Junction Box: Aluminum.

**Approvals:** These devices are compatible with IECEx/ATEX Intrinsically Safe systems as Simple Apparatus.

### ORDERING INFORMATION

Description	Part Number
<b>Description Sculcon Junction Box &amp; Poly Plug Cable Assembly</b>	
Sculcon Junction Box & SC-8OB Black Plug, Blue Coiled Cable Kit	09146NV
Sculcon Junction Box & SC-8OB Black Plug, Blue Straight Cable Kit	08958NV
10 Core Blue Straight Cable (Used between the loading gantry control monitor & Sculcon junction box)	27326
<b>Description Poly Plug &amp; Cable Assemblies</b>	
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
<b>Description Poly Plug Storage Solutions</b>	
Poly Plug Storage Bracket	33478
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)	53084
Strain Relief (Sculcon Junction Box)	20845
Female Quick Release Connector Assembly (Sculcon Junction Box)	09747
Male Quick Release Connector Assembly (Poly Plug Cable Assembly)	09748
SC-8OB Black Poly Plug End	22487
Poly Plug Strain Relief	20848

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