

TECHnote

2P/12V WEATHERLOCK™ Composite Liftgate System – SAE J3082

It is our business to find optimum and safe solutions for various needs in the area of connectors and wires. For the North American truck and trailer connector market (SAE J3082) and also for agricultural technology, we have an all-new solution with outstanding features for our customers. In comparison with existing product designs, we are able to enhance the application in terms of:



Reliability

- Features two sealed grommet options to ensure water-tightness to IPX9K
- Cover and mounting flange have seals for water tightness to IP54
- Premium cover seal and unique central-load spring ensures water tightness (IPX4) when plug is not connected
- Plated contacts and active face seal prevent corrosive damage to contacts when plug is connected
- Grommets feature flange seal to prevent water ingress between the socket and the vehicle or nose box
- Stainless steel mounting bolt bushings allow higher tightening torque



Maintenance

- Unique design for easy repair or replacement
- Harness cables secured to socket housing with standard Eyelet ring terminals.
- 2-pin socket and cable connector housings are labeled and color coded
Custom cover lettering available
- 90° or straight grommet boot cover is easily removed and replaced for service and repair

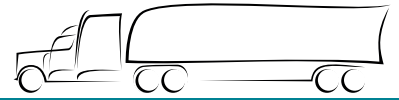


Lower Cost

- No preattached expensive jacketed cable
- No over-mold tooling, process, and materials
- Increased flexibility of harness supplier selection
- Production process for harness maker ready for 4AWG, common with most vehicle component harnesses
- Eyelet ring crimping can be performed by any harness manufacturer
- Lower weight contributes to lower operating costs

Highlights

- Exceeds all SAE J3082 requirements
- Sockets by ERICH JAEGER are watertight (IPX9K)
- Socket housing with integral screw terminals and mount bracket
- Optional IPX9K- 180 or 90 grommet boots and 4AWG cable harness pigtail
- Strong composite socket housing with metal bushings
- Rated from -40°F to 185°F (-40°C to 85°C)
- Simple design is perfect for OEM and aftermarket customers
- Design is based on 30+ years of ISO and SAE socket designs and features



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Model Versions



2P/12V Socket - SAE J3082

Nickel plated screw terminal contacts , sealed grommet outlet
Bulk Packaging

Part No.

153136



2P/12V Socket Kit - SAE J3082 - watertight to IPX9

Nickel plated screw terminal contacts , sealed grommet outlet
Retail Packaging / PE bag

Kit includes 2-pin socket according to SAE J3082 and
90° grommet boot outlet for 4AWG cable

153147



2P/12V Socket Kit - SAE J3082 - watertight to IPX9

Nickel plated screw terminal contacts , sealed grommet outlet
Retail Packaging / PE bag

Kit includes 2-pin socket according to SAE J3082 and
180° (straight) grommet boot outlet for 4AWG cable

153148

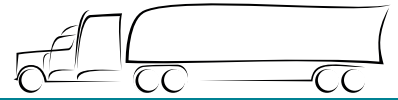


90° grommet boot

180° (straight) grommet boot

038658

038926



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Model Versions



2P/12V Socket - SAE J3082 - watertight to IPX9
90 grommet boot with blunt-cut cables
2x 4 AWG - Cable length 48in. (1220mm)

Bulk Packaging
Retail Packaging / PE bag

Part No.

153149
153150



2P/12V Socket - SAE J3082 - watertight to IPX9
180 (straight) grommet boot with blunt-cut cables
2x 4 AWG - Cable length 48in. (1220mm)

Bulk Packaging
Retail Packaging / PE bag

153151
153152

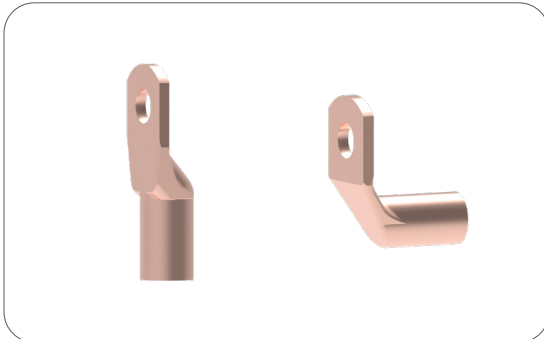


2P/12V Coil Cable with over-molded plugs – SAE J3082

12 FT working length coil
15 FT working length coil

Bulk Packaging

652862
652704



Eyelet Terminal - 4AWG - straight
(Used for 90° / Right Angle cable exit application)

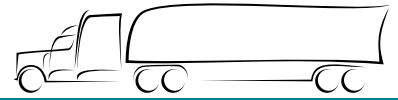
Eyelet Terminal - 4AWG - 90
(Used for 180° / Straight cable exit application)

Bulk Packaging

038975-4

038958





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