



TECHnote

7P/12V Metal Connectors - SAE J560 (Primary)

It is our business to find optimum and safe solutions for various needs in the area of connectors and wires. For the North American and Asia Pacific truck and trailer connector market (SAE J560) and also for agricultural technology, we have already developed our EXPERT range of trailer connectors. Now we are additionally offering 7-pin 12V metal connectors, which are built to last and to withstand the harshest environmental conditions. Our extremely sturdy trailer connectors feature the following characteristics:



Reliability

- Designed to withstand a minimum of 5,000 mating cycles
- Jumper cable with a capacity of 40A max.
- High durability thanks to heavy-duty zinc alloy housing and solid brass terminals (nickel-plated)
- Thread locker screws provide for optimal wire retention thus ensuring a reliable connection even if the wires are under strain
- Spring and hinge pin made from stainless steel to guarantee a long lifetime of the connectors even under the most demanding conditions



Maintenance

- Modular design including standard housing gasket allows for easy repair or replacement
- Installation and connection processes conform to established products so no process changes are necessary - just „Plug & Play“
- 4x 12, 2x 10 and 1x 8 AWG provides for flexibility in installation and application
- Elongated two-hole mounting enables easy installation
- Tools and installation instructions available on request



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 is commonized with all other vehicle component harnesses
- Lower weight contributes to lower operating costs

Highlights

- Heavy-duty electrical connectors for longest life time even under harsh environmental conditions
- Big ergonomically designed grip lugs on the plug ensure easy handling for thousands of mating cycles
- Locking feature for cable plug includes auto disconnect to prevent connection from being damaged when left plugged-in unintentionally
- Grommet boot available for added protection featuring 180° or 90° cable outlet
- Socket can be individualized with customer branding
- Works best from -40°F to 185°F (-40°C to 85°C)



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Model Versions

Part No.



7P/12V metal socket according to SAE J560 (Primary)
with screw contacts, housing material: Heavy-duty Zinc alloy

without packaging

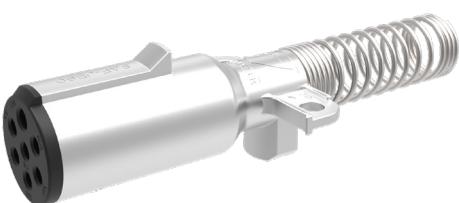
Retail Packaging / PE bag including gasket seal (part no. 035082)

Retail Packaging / PE bag including 180° grommet (part no. 037915)

101388

101387

101428



7P/12V metal plug according to SAE J560 (Primary)
with screw contacts, housing material: Heavy-duty Zinc alloy
4x 12, 2x 10 and 1x 8 AWG cable capacity

Retail Packaging / PE bag

201223

Additional Parts



7P/12V socket insert according to SAE J560 (Primary)
Nickel-plated brass terminals, with screw contacts

Retail Packaging / PE bag

without packaging

383315

383144



7P/12V plug insert according to SAE J560 (Primary)
Nickel-plated brass terminals, with screw contacts

Retail Packaging / PE bag

without packaging

383316

383148



TECHnote

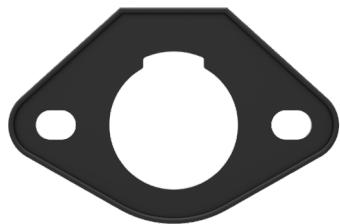
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Additional Parts

Gasket seal
Material: TPE

Part No.

035082



Grommet boot
Material: EPDM

037915

037828

037829



180° Version for cable diameter 7 mm – 9,5 mm
90° Version for cable diameter 10 mm – 12,5 mm
90° Version for cable diameter 17 mm – 21 mm

Fitting Cables and Coils



7P/12V cable - SAE J560 Primary green cable

1x 8 + 2x 10 + 4x 12 AWG (1x 8.0mm² + 2x 5.0mm² + 4x 3.0mm²)

Cable length

Packaging

611243

12,5ft (3.8m)

Bulk Packaging

611259

13,0ft (3.95m)

Bulk Packaging

611244

14,3ft (4.35m)

Bulk Packaging

611231

18,0ft (5.5m)

Bulk Packaging



7P/12V coil - SAE J560 Primary, green cable, coil diameter: 100mm

1x 8 + 2x 10 + 4x 12 AWG (1x 8.0mm² + 2x 5.0mm² + 4x 3.0mm²)

Working length

Max. extension length

Packaging

611222

12ft (3.5m)

15ft (4.5m)

Bulk Packaging

611224

15ft (4.5m)

18ft (5.5m)

Bulk Packaging



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