



TECHnote

7-pin + 12-pin/12V Combo-Socket - SAE J2863 + SAE J3008

The new 7P+12P/12V combo-socket by ERICH JAEGER has been developed together with leading vehicle manufacturers. ERICH JAEGER set up a new standard (SAE J3008) for video signal transmission in between towing vehicles and trailers.

The combo-socket has a 7P/12V socket (SAE J2863) and a 12P/12V socket (new standard SAE J3008).

The well known 7-pin system takes over the transmission of light functions between towing vehicle and trailer.

The new 12-pin system transmits a lot of special signals of the trailer, such as video signals of the rear camera, CAN-Bus signals or signals of sensors according to PSI5 standard.



Highlights

- Exceeds all SAE/USCAR-2 requirements
- Works best from -40°F to 185°F (-40°C to +85°C)
- Combo-socket with known standard SAE J2863 (7P/12V) and new standard SAE J3008 (12P/12V)
- High reliability through extremely resistant connector system
- SAE J3008 connector is waterproofed in plugged and unplugged condition (IPX9K)
- Plug with double contact locking (OE standard) and strain relief
- Easy mounting (socket is ready for „Plug & Play“)

SCAN to WATCH



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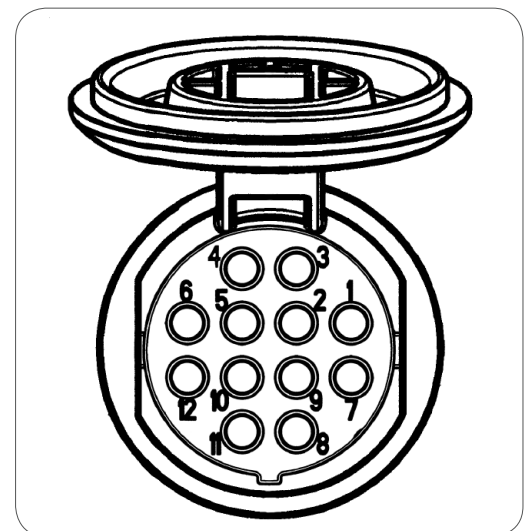
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12-pin/12V Plug (watertight) - according to SAE J3008



Contact allocation SAE J3008

No.	Function
1	Power
2	CAN + H
3	CAN - L
4	PSI5 + Sensor (Peripheral Sensor Interface)
5	PSI5 - Sensor (Peripheral Sensor Interface)
6	Ground
7	Brake
8	Video Ground/Shield
9	Video +
10	Video -
11	N/C
12	N/C



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Model Versions



7P/12V + 12P/12V Combo socket (according to SAE J2863 + SAE J3008)

- 7P/12V (SAE J2863) socket for light functions
- 12P/12V (SAE J3008) socket for video and data application



12P/12V Socket (according to SAE J3008)

- For video and data application



12P/12V Plug (according to SAE J3008)

- For video and data application



Parking socket for 12P/12V plug (according to SAE J3008)

- Mounting holes and fastening eyelets for screws (M5) or cable ties
- Parking socket can be mounted in different positions
- Silicon seal in cover provides water tightness and protects plug