



ERICH JAEGER Product Overview

High-Quality Trailer Connectors and Cables

2021



ERICH JAEGER

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The future of trailer connectors



Economic requirements have always been a driver for innovation. Taking a look at the commercial vehicle industry for example, the digitalization enables a lot of procedures and processes which can make the operation of vehicles and fleets significantly more efficient and safer. The current trends are improved fleet management networks, which efficiently control commodity flows using real time data, the enhancement of road safety via 360° view and cyclist recognition and autonomous driving. However, these trends require new technologies for the data transmission between

towing vehicles and trailers. And this is where ERICH JAEGER enters the picture.

To meet the demands of the new technologies, new solutions for transmission routes and trailer connector networks are necessary. Based on the Automotive Ethernet protocol with the standard 1000BASE-T1, ERICH JAEGER develops individually tailored future networking technologies for the commercial vehicle and agricultural industry. These include robust data connectors in combination with a 40 m STP cable. Therefore, the products fulfill both the requirement for a high data transmission rate (1 Gbit/s) and for a respective cable length.

Visit the ERICH JAEGER website for further information



High quality connector systems in a broad product portfolio

ERICH JAEGER is a leading global manufacturer of premium performance electrical trailer tow connectors and cables for heavy-duty trucks, passenger cars, agricultural equipment and military vehicles. For more than 90 years, the company has set the bar for product innovation, quality, durability and performance.

Today, the company is leading the way with innovative high-speed connector designs for modern trailer towing applications that increasingly require placement of cameras and sensors on the trailers for safety and trailer/load monitoring.

ERICH JAEGER has developed several high-speed connector and cable designs for automotive, heavy-duty and agricultural applications that incorporate automotive ethernet data links for speeds up to 1 Gbit/s for harsh trailer tow applications.

Download the ERICH JAEGER Fact Sheet



Facts & Figures

90	1,000	11	6,000
Years of experience	Employees	International locations	Salable products

Industries served

Passenger Cars

Page 4

Commercial Vehicles

Page 8

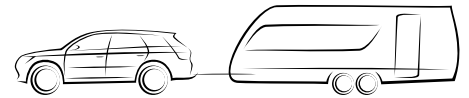
Defense Vehicles

Page 12

Agricultural Machinery

Page 14

Connectors and wiring harnesses for passenger cars



ERICH JAEGER offers a broad range of products for the connection between towing vehicles and trailers including trailer connectors, wiring harness kits, cables, adapters and further accessories. The different connector systems comply to a variety of international industry standards so that the company can offer solutions for all kinds of applications and all over the world.

The product range of wiring harness kits includes vehicle-specific e-kits in OEM quality for more than 1000 different car models from all major manufacturers.

Concerning both components and wiring harness kits, ERICH JAEGER supplies many international car manufacturers and first tier suppliers. Therefore, the company is able to also provide the aftermarket and retrofitting sector with products which completely fulfill the demanding OEM requirements.



You can find the complete product program for passenger cars on the company's website at www.erich-jaeger.com/en/products/branch-of-industry/cars. Please scan the QR-code for details.

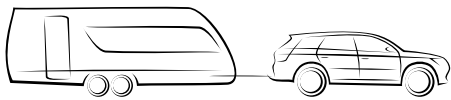
International Industry Standards served by ERICH JAEGER products

- » **AS-4177.5 – 7-pin 12V trailer connectors**
Australian standard for electrical connectors between motor vehicles and trailers
- » **ISO 11446 – 13-pin 12V trailer connectors**
Plugs and sockets for the electrical connection of trailers and towing vehicles
- » **ISO 1724 Type N – 7-pin 12V trailer connectors**
Plugs, Sockets, cables and coils for the connection of trailers and towing vehicles
- » **ISO 3732 Type S – 7-pin 12V trailer connectors**
Plugs, Sockets, cables and coils for the connection of trailers and towing vehicles
- » **ISO 4165 – 1-2-pin 6-24V hand lamp connectors**
Plugs and sockets for connecting electric devices to a vehicle's electrical system
- » **NEN 6120 – 7+6-pin 12V trailer connectors**
Plugs, Sockets, cables and coils for the connection of trailers and towing vehicles (Dutch standard)
- » **SAE J1239 – 4-pin 12V trailer connectors**
Plugs and sockets for the connection of trailers and towing vehicles (American standard)
- » **SAE J563 – 2-pin 12V cigarette lighter connectors**
Plugs for connecting electric devices to a vehicle's 12V power outlet (American standard)

Customer References

- » Audi
- » BMW
- » Daimler
- » Dräxlmaier
- » Ford
- » Leoni
- » Opel
- » Renault
- » Škoda
- » Volkswagen
- » Volvo





Focus on Products: 13-pin trailer sockets according to ISO 11446

At the end of the 80s, ERICH JAEGER in cooperation with major players from the automotive industry developed the 13-pin 12V connector system. Due to higher requirements on the connection between trailer and car, the prevailing 7-pin connection (according to ISO 1724) had to be optimized. The new 13-pin system allowed for the transmission of all lighting function and additional electrical functions with only one plug: Opposed to the old system, ISO 11446 includes two lines for the power supply of a caravan and a line for controlling the reversing light. These are not included in the system according to ISO 1724. Therefore, if a reversing light is mandatory or if the driver intends to use a caravan, a second 7-pin connector becomes necessary.

Economy Socket – 13-pin 12V according to ISO 11446



The JAEGER Economy series of trailer sockets fully complies to the ISO standard. However, with this product series, ERICH JAEGER paid special attention to reducing the manufacturing costs and passes the cost reductions through to the customers. The Economy series is the product of choice for cost-sensitive users who still need reliable quality.

Item no. 121140 – Technical Data

Packaging and Order Details

Included in package	seal
Packaging	cardboard box

Material

Contact surface	nickel (Ni)
Cover material	reinforced composite
Housing color	black
Housing material	reinforced composite

Connectivity

Contact termination	screw contact
No. of poles	13

Norms and Standards

Protection	IP 54
------------	-------

Basic Socket – 13-pin 12V according to ISO 11446



The JAEGER Basic series of trailer sockets fully corresponds to all OEM requirements for trailer connections. It has been established in the market for many years and is the tried-and-tested choice with millions of installations worldwide.

Item No. 121035 – Technical Data

Packaging and Order Details

Included in package	seal, sealing ring
Packaging	cardboard box

Material

Contact surface	standard (CuZn)
Cover material	reinforced composite
Housing color	black
Housing material	reinforced composite

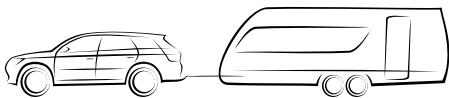
Connectivity

Contact termination	screw contact
No. of poles	13

Norms and Standards

Protection	IP 54
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Focus on Products: Plugs & cables



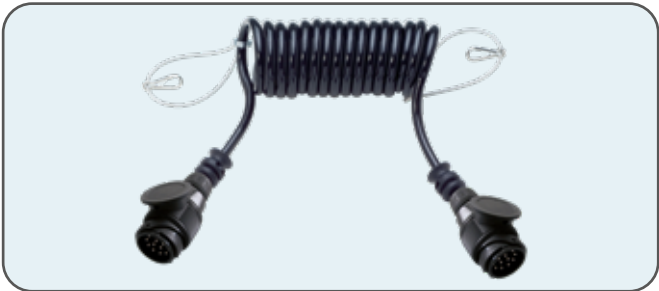
Economy and Basic Plug – 13-pin 12V according to ISO 11446



- » slip-proof and robust design
- » nickel-plated screw contacts
- » suitable for different cable diameter
- » pictogram fitting instruction
- » internal strain relief

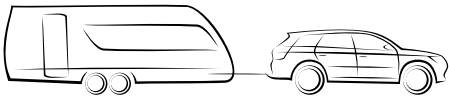
Technical Data		
	221268	221032
Packaging and Order Details		
Content of package	allocation diagram	sealing ring
Packaging	PE bag	
Design Features		
Branding	neutral/without logo	ERICH JAEGER
Type of seal	grommet	sealing plug
Material		
Contact surface	nickel (Ni)	standard (CuZn)
Housing color	black	
Housing material	reinforced composite	
Connectivity		
Cable outlet	cap nut, dual cable outlet 180°	cap nut
Contact termination	screw contact	
Norms and Standards		
Protection	IP 54	

Coil with 13-pin 12V plugs according to ISO 11446



The OEM-Quality 13-pin coil features an emergency release system which avoids damage to the plug and the socket when the trailer is uncoupled with the trailer connectors still mated by accident. This is of particular advantage if the towing vehicle and/or the trailer are changed frequently.

Item No. 621004 – Technical Data	
Packaging and Order Details	
Content of package	sealing ring
Packaging	PE bag
Design Features	
Branding	ERICH JAEGER
Type of seal	sealing plug
Material	
Contact surface	standard (CuZn)
Housing color	black
Housing material	reinforced composite
Connectivity	
Cable outlet	cap nut
Contact termination	screw contact
No. of poles	13
Norms and Standards	
Protection	IP 54



Focus on Products: Wire harness kits for trailer towing devices

A wiring harness kit for trailer couplings electrically connects the trailer and the towing vehicle. Wiring harnesses are classified into 7-pin and 13-pin models. Both models are available as vehicle-specific or universal wiring harness kits.

Vehicle-specific wiring harness kit

A vehicle-specific wiring harness kit is customized to the particular vehicle type. It features the following advantages:

- » Compact plugs can be connected directly to the vehicle-specific connector of the rear lights or to other predefined interfaces. Thus, the installation time is significantly reduced, and possible mistakes concerning the connection are eliminated.
- » Control devices, socket and passage grommet of the vehicle-specific wiring harness are exactly customized to the electronics of the vehicle supply system and the vehicle geometry. Length and installation of the cables have been developed to perfectly fit the particular vehicle. This guarantees short installation time and flawless functionality.
- » The included installation material enables a professional installation and is suited specifically to the vehicle type.
- » The installation manual clearly describes the installation kit at hand and all necessary work steps in text or picture.

Universal wiring harness kit

A universal wiring harness kit is applicable in different vehicle models and types. Dependent on vehicle dimension, an expert has to individually adapt the wiring harness to each vehicle. The universal wiring harness kit features the following attributes:

- » An expert has to determine the vehicle cable to which the wiring harness can be connected via snap lock connector. While connecting, the expert has to consider the cable width to avoid cable damage.
- » Control devices, socket and passage grommets are designed for a broad functional and geometrical area. Cable lengths are planned generously. Adaptations of the wiring harness kit by an expert may be necessary due to vehicle-specific features.
- » The installation material covers every standard installation. Vehicle-specific requirements have to be supplemented by additional material.
- » The installation manual describes a standardized installation procedure. Vehicle-specific features are not indicated separately. An expert should carry out the installation.

ERICH JAEGER presents testing unit for 7- and 13-pin trailer sockets

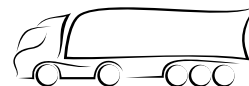


The device has been designed for the demanding use in garages and repair shops and is embedded in a robust double wall case. The scope of delivery further includes a 5 m connection cable with a 13-pin plug, an adapter for a 7-pin socket and a multilingual manual.

Testing unit for checking lighting signals in trailer operation

The testing unit is CAN-Bus capable and CE-tested and simulates the functionalities of a trailer by triggering the lighting signals of the towing vehicle. Via the lighting controls in the vehicle, users can choose the functionalities to be tested. Moreover, two switches in the testing unit's operating panel enable them to simulate a failure of the direction indicator lamps. Testing can be carried out by just one person from the driver's seat with a connection cable of a length of 5 m (16.4 ft).

Connectors, cables and coils for commercial vehicles



ERICH JAEGER offers a broad range of connectors, cables and coils for commercial vehicles. The company's portfolio includes watertight high-quality plugs and sockets to withstand environmental impacts like high temperature. The cables as well as many other components are ADR compliant.

A lot of major commercial vehicle manufacturers and first tier suppliers are among ERICH JAEGER's customer base.

The prerequisite for supplying to these companies is a very high quality standard. The benefit for the aftermarket business: Retrofitters can be sure to obtain OEM-quality equipment when purchasing from the portfolio of ERICH JAEGER.



You can find the complete product program for commercial vehicles on the company's website at www.erich-jaeger.com/en/products/branch-of-industry/commercial-vehicles. Please scan the QR-code for details.

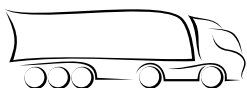
International Industry Standards served by ERICH JAEGER products

- | | |
|--|---|
| » DIN 14690 – 2-pin 6-42V charging connectors
Battery charging connectors for firefighting and ambulance vehicles | » ISO 25981 – 7-pin 24V connectors for liftgates
Plugs, Sockets and coils for the electrical connection of tail-lifts for trucks |
| » DIN 72580 – 8-pin 24V connectors
Cable connectors for lighting installations in commercial vehicles | » ISO 3731 Type S – 7-pin 24V trailer connectors
Plugs, Sockets, cables and coils for the connection of trailers and towing vehicles |
| » ISO 1185 Type N – 7-pin 24V trailer connectors
Plugs, Sockets, cables and coils for the connection of trailers and towing vehicles | » ISO 7638-1/2 – 7-pin 24/12V ABS/EBS connectors
Plugs, Sockets, cables and coils for the connection of trucks and trailers with ABS/EBS system |
| » ISO 12098 – 15-pin 24V trailer connectors
Plugs, Sockets, cables and coils for the connection of trailers and towing vehicles | » SAE J560 – 7-pin 12V trailer connectors
Plugs, Sockets, cables and coils for the connection of trailers and towing vehicles (American standard) |

Customer References

- | | |
|------------------|------------------|
| » Daimler | » Renault Trucks |
| » Dongfeng Motor | » Scania |
| » FAW | » Shaanxi |
| » Iveco | » Solaris |
| » Knorr-Bremse | » Tatra |
| » MAN | » Volvo Trucks |
| » MAZ Trucks | » Wabco |
| » Navistar | |





Focus on Products: 15- and 7-pin coils and adapter coils

High quality cables and coils for commercial vehicles

ERICH JAEGER supplies many manufacturers of commercial vehicles with high quality original equipment. However, the company also offers more economic solutions for the aftermarket: The product designers came up with solutions to make the coils and cables more cost-efficient without compromising their quality. This was achieved by developing alternative plug designs, optimizing the cable lengths or applying alternative materials.

The coils and cables by ERICH JAEGER feature a high quality level and conform to ADR 2017 requirements regarding flammability and mechanical resistance.



Item No. 641326 – Technical Data

ADR coil with 15P/24V plugs (ISO 12098)

Material

Housing material	reinforced composite
Cable material	PUR

Measures and Dimensions

Max. working length	3.5 m
Coil diameter	55 mm



Item No. 611248 – Technical Data

Coil with 7P/24V plugs (ISO 1185 Type N)

Material

Housing material	break-proof metal
Cable material	PUR

Measures and Dimensions

Max. working length	3.5 m
Coil diameter	35 mm

Euro 6 coils – Reliable connections up to 125°C

Coils connecting trucks and semi-trailers have to withstand extreme environmental conditions - especially if the truck accords to the Euro 6 exhaust emission standard: The Euro 6 engines may cause very high temperatures. Additionally, the space between truck and trailer often is almost closed due to wind deflectors and aerodynamic components. The resulting air suction in combination with the high engine temperatures may cause the direct environment of the coils to heat up to more than 100°C. This of course puts a high strain on the thermal stability of the electrical wiring.

For this reason, ERICH JAEGER has developed the Euro 6 spiral cables. With its many years of experience in manufacturing coils, the company was able to use advanced polymer technology and unique manufacturing technologies to create a series of spiral cables which remain flexible and dimensionally stable at temperatures from -40°C up to +125°C. Euro 6 coils are available for all relevant industry standards ranging from 15-pin systems according to ISO 12098 to 7-pin systems (ISO 1185 and 3731 - adapter coils between 15-pin and 7-pin connectors are available) to ABS/EBS connectors according to ISO 7638-1.



Item No. 711216 – Technical Data

Coil with 15P/24V plug (ISO 12098) and 2x 7P/24V composite plugs (ISO 1185 + ISO 3731)

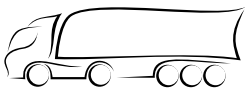
Material

Housing material	reinforced composite
Cable material	PUR

Measures and Dimensions

Max. working length	4.0 m
Max extension length	4.5 m
Coil diameter	35 mm

Focus on Products: Plugs & sockets according to ISO 12098



The 15-pin connector is the modern system for the transmission of light and additional functions on 24V supply systems. It is used by leading truck manufacturers because of the technical advantages like contact safety and watertightness. The system continually replaces the older connector types. The connectors are available for normal and ADR applications. The letter inserts are red for the 24V ADR systems and white for the normal systems.

15-pin 24V sockets and plugs for the aftermarket

ERICH JAEGER offers sockets and plugs for the connection of towing vehicle and trailer which are specifically tailored for retrofitting and repair requirements. No specialty tools are necessary for the installation as the contacts can be fixed with a standard screw driver. The wiring is further facilitated by a separate contact insert for the screw contacts which features color-coding according to the ISO standard. Therefore, a mix-up of the different supply lines can be avoided.

Within this product series, the family of JAEGER BASIC sockets stands out. These sockets are entirely sealed to the front, which makes them watertight according to protection class IPX7 and IPX9K. This is achieved by integrating innovative rotary contacts with a single-ring seal and an end cap with an integrated flat seal. As an additional advantage, the reduced size of the sockets allows for an easy installation even in small spaces.



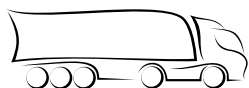
Item No. 141053 & 241010 – Technical Data

15P/24V ADR socket and plug with screw contacts	
Material	
Contact surface	nickel (Ni)
Cover material	reinforced composite
Housing color	black
Housing material	reinforced composite
Norms and Standards	
Protection	IP 54
Measures and Dimensions	
For cable diameter	12 - 18 mm



Item No. 141168 – Technical Data

15P/24V „JAEGER BASIC“ socket with screw contacts	
Material	
Contact surface	nickel (Ni)
Cover material	reinforced composite
Housing color	black
Housing material	reinforced composite
Norms and Standards	
Protection	IP X7
Measures and Dimensions	
For cable diameter	12 - 14.4 mm



Focus on Products: Connector system for camera signals

7P connector system BASIC BLUE for the transmission of camera signals

Increasing the safety for commercial vehicles

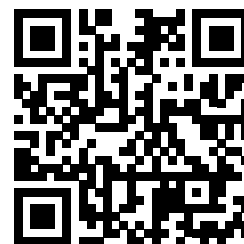
Turning assistants and camera systems for trucks and buses have long been established within the market. However, to equip semi-trailers and drawbar combinations with such technology, a new interface between trailer and towing vehicle is necessary. ERICH JAEGER offers a solution for transmitting video data from a trailer camera to a vehicle's cockpit: The new 7-pin connector system BASIC BLUE enables the driver to observe everything which happens next to or even in the trailer. The connector system is based on the proven system according to ISO 7638-2 and thus is fit for demanding environmental conditions.

Highlights

- » System for the direct transmission of up to two camera signals – Data transmission for more cameras possible via ECU
- » Socket housing with integrated contact insert for easy assembly
- » Reduced size - easy installation even in small spaces
- » Turned contact with sealing ring protects against water penetration
- » Optimized cover for better handling and splash water protection
- » End cap with 90° or 180° outlet (for cable or corrugated tube)
- » Watertight (IPX7 and IPX9K tested)

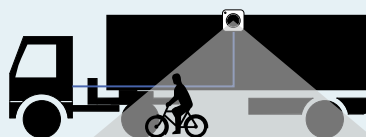


Scan to watch

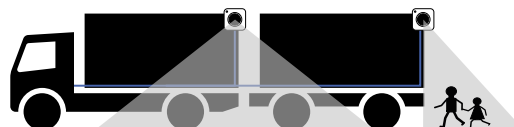


Application examples

Semi-trailer with one camera

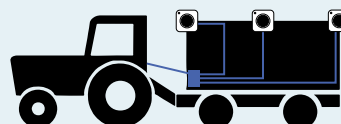


Drawbar combination with two cameras



Tractor and implement with three cameras

Signals are gathered within an electronic control Unit (ECU)



Connectors for Defense Vehicles



ERICH JAEGER offers a broad range of trailer connectors for defense technology.

The products accord with the official NATO Stock Numbers. The company provides watertight high-quality plugs, sockets and cables including charging connectors and systems for transmitting electrical signals.

Connectors for military applications have to meet very demanding

requirements. They have to be extremely robust and reliable and resistant to all kinds of environmental impacts. Often, charging connectors used for defense vehicles have to bear very high currents up to a peak current of 1,000 A. The trailer and charging connectors by ERICH JAEGER meet these requirements and are approved as certified equipment for the supply of the German Federal Armed Forces.



You can find the complete product program for defense vehicles on the company's website at www.erich-jaeger.com/en/products/branch-of-industry/defense-vehicles. Please scan the QR-code for details.

International Industry Standards served by ERICH JAEGER products

» DIN 14690 – 2-pin 6-42V charging connectors

Battery charging connectors for firefighting and ambulance vehicles

» STANAG 4074 – 2-pin 24V NATO jump-start connectors

Heavy duty plugs and sockets for jump-starting military vehicles with up to 1000A

» VDA 72594 – 2-pin 24V charging connectors

Connectors for battery charging with currents up to 2500A

» VG 96917 – 2-pin 24V charging connectors

Plugs, sockets, cables and coils for battery charging – listed with NATO stock no.

» VG 96923 – 12-pin 24V trailer connectors

Plugs, sockets, cables and coils for trailer operation – listed with NATO stock no.

» VG 96927 – Assembled trailer connector cables

Assembled connector cables with sockets for trailer operation – listed with NATO stock no.

Customer References

» Arquus

» Miunske

» Hella

» Rheinmetall

» Herth + Buss

» Tatra





Focus on Products: 2-pin charging connectors

2-pin 24 V connector systems according to VG 96917

The 2-pin 24 V connectors are mainly applied by the armed forces because of the military authorisation according to VG 96917 and the assigned NATO stock numbers. As the connectors are increasingly used in the civil sector due to the dependable, sturdy design and the ability to transmit high or very high currents of up to 305 A peak current in short-term load, ERICH JAEGER also offers versions for civil applications.

The connector system is mostly used for the following areas of application:

- » Battery charging and charge maintenance
- » Jump-start of trucks and cars
- » Tail-lifts on mobile vehicles
- » Stationary lifting ramps
- » Electrical extension or shortening of flat bed trailers
- » Moving of silos on silo-vehicles

2-pin 24V socket for military applications



The connector system for military applications has a light and sturdy aluminum housing. A metal screw ring in the plug provides for the highest possible reliability of the connection as it prevents an accidental loosening of the connection and guarantees impermeability against dirt and humidity.

2-pin 24V socket for civil applications



The connector system for civilian applications is available as plastic or aluminum version. The plastic version is also available with reinforcement-bushings. These connectors are often applied for battery charging or for supplying lifting ramps in heavy duty commercial vehicles.

Item No. 151212 – Technical Data

2P/24V Socket (VG 96917 A001)

Included in package	solder/crimp contact sleeves (35/50mm ²)
NATO stock No.	5935-12-307-1277
Contact surface	silver (Ag)
Housing color	bronze green (RAL 6031-F9)
Housing material	break-proof metal

2P/24V Socket (VG 96917)

Item No.	151215	151218
Included in package	solder/crimp contact sleeves (35/50mm ²)	solder/crimp contact sleeves (35/50mm ²)
NATO stock No.	–	–
Contact surface	silver (Ag)	silver (Ag)
Housing color	yellow	black
Housing material	break-proof metal	reinforced composite

Plugs and Coils according to VG 96917

Please contact ERICH JAEGER for details



Item No. 251097



Item No. 652092



ERICH JAEGER offers a broad range of trailer connectors for agricultural machinery. The company provides watertight high-quality plugs, sockets and cables for different applications. This includes for example power transmission for lighting functions and data transmission for camera signals or ISOBUS systems. Additionally, the whole range of 7-pin 12V connectors according to ISO 1724 originally developed for the automobile industry is also applied in agricultural machinery.

When developing products, ERICH JAEGER takes into consideration little details, which

may have a major influence on the application: For instance, many connectors feature zinc- or nickel-plated contacts. This makes them a reliable choice for the rough everyday use on the field.



You can find the complete product program for commercial vehicles on the company's website at www.erich-jaeger.com/en/products/branch-of-industry/agriculture. Please scan the QR-code for details.

International Industry Standards served by ERICH JAEGER products

- | | |
|--|---|
| <ul style="list-style-type: none">» DIN 72575 – 4-pin 6-24V connectors
Trailer connectors for agricultural vehicles –
Transmission of supplemental function» DIN 9680 – 3-pin 6-24V trailer connectors
Agricultural trailer connectors for
electrical power transmission» ISO 11783-2 – 9-pin 12V ISOBUS connectors
Plugs and sockets for the communication
between tractor and implement» ISO 4165 – 1-2-pin 6-24V hand lamp connectors
Plugs and sockets for connecting electric
devices to a vehicle's electrical system» ISO 1724 Type N – 7-pin 12V trailer connectors
Plugs, Sockets, cables and coils for the
connection of trailers and towing vehicles | <ul style="list-style-type: none">» ISO 3732 Type S – 7-pin 12V trailer connectors
Plugs, Sockets, cables and coils for the
connection of trailers and towing vehicles» SAE J560 – 7-pin 12V trailer connectors
Plugs, Sockets, cables and coils for the connection
of trailers and towing vehicles (American standard)» ISO 7638-2 – 7-pin 12V ABS/EBS connectors
Plugs, Sockets, cables and coils for the connection
of trucks and trailers with ABS/EBS system» ISO 11446 – 13-pin 12V trailer connectors
Plugs and sockets for the electrical connection
of trailers and towing vehicles |
|--|---|

Customer References

- | | |
|--|---|
| <ul style="list-style-type: none">» AGCO Fendt» Belarus Tractor» CLAAS» CNH | <ul style="list-style-type: none">» John Deere» Same Deutz Fahr» Türk Traktör |
|--|---|





Focus on Products: 9-pin ISOBUS sockets and plugs

Erich Jaeger offers ISOBUS-compliant connectors for precision farming

The ISOBUS technology standardizes communication between tractors, implements and agricultural (office) software. With the ISOBUS components - including plug sets, components and accessories - ERICH JAEGER covers the entire spectrum of the ISOBUS Breakaway Connector (IBBC). In developing the connector system, the company was guided by the specifications of several well-known agricultural machinery manufacturers. The system thus meets very high requirements in terms of temperature resistance (from -40°C to +95°C), environmental and medium-based influences, electromagnetic interference, and short-circuit protection. This guarantees functionality even in extreme situations. All components comply with the ISO 11783-2 standard. The various model variants include, for example, active and passive sockets as described in the standard.

Terminator circuit supply for master sockets

In accordance with ISO 11783-2, active (master) is usually installed at the rear of the tractor. The socket has an internal connection between ECU_PWR (ECU = Electronic Control Unit) and TBC_PWR (TBC = Terminating Bias Circuit), and thus ensures the terminator circuit's electrical supply. It supplies the terminator circuit of all sockets in the bus segment. With this configuration, no more than one master socket may be installed on a towing vehicle.

Passive (slave), on the other hand, is used on accessory equipment and possibly at the front of the tractor. ECU_PWR and TBC_PWR are not connected for slave sockets. Here, the supply must be external; otherwise, the TBC remains unable to function. This also means that if the terminator circuits of all sockets on the towing vehicle end are supplied via the tractor, only slave sockets (i.e. no master sockets) can be used.

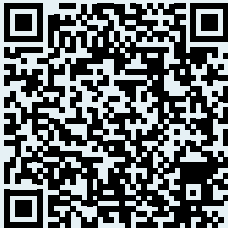


Item No.	151234	151236	151232	153110
	9P/12V ISOBUS Socket	9P/12V ISOBUS Socket	9P/12V ISOBUS Socket	9P/12V ISOBUS Socket
Version	Active (Master)	Passive (Slave)	Passive (Slave)	–
Special Feature	–	–	Current Monitoring	–
Termination resistor [in Ohm]	150 (2x 75)	150 (2x 75)	150 (2x 75)	120
Network Type	TQPL	TQPL	TQPL	TPPL



The robust ISOBUS implement connector withstands all chemical fluids, is easy to assemble and install and guarantees high reliability and cost savings with lowest downtimes in the field.

For further details about the functionality and applications of the ISOBUS system, please visit the ERICH JAEGER website:



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