

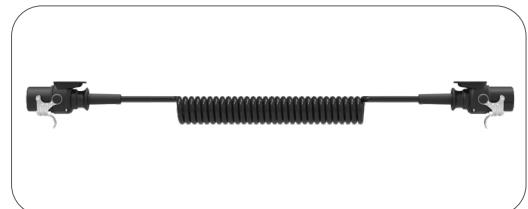
by ERICH JAEGER

TECHnote

ABS-EBS/24V/12V Multivolt Coil – ISO 7638-1/-2

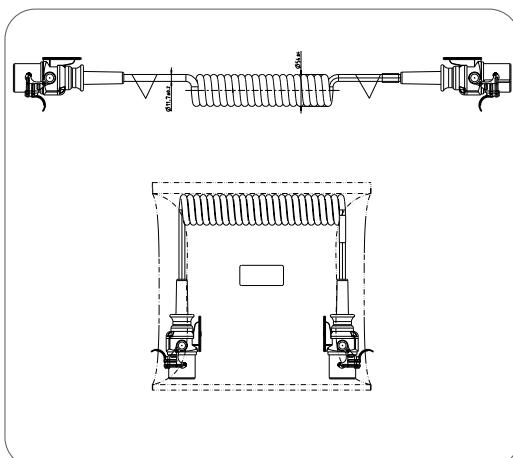
The ABS/EBS connectors are used on nearly every commercial vehicle type with ABS/EBS System. They include safety features like automatic ejection of the plug in case of mismatching.

The Multivolt Coil can be used for both 12V and 24V applications as the plugs feature two codings to be able to mate with sockets according to the standard ISO 7638-1 (24V) and ISO 7638-2 (12V).



Highlights

- Original OEM plugs with robust elastomer bending protection grommet and smooth-running retaining bracket for 10,000 plug-in mounts
- Available in two sizes with short and long pigtails
- Small coil diameter for low wire sag during application
- Cables withstand high tensile forces thanks to bolted cable outlet and cable clamp for strain relief
- Watertight – hose-proof when plugged in thanks to bonded seal



EBS/ABS 24V/12V Multivolt Coil

- Wire structure: 5x 1.5mm² and 2x 4mm²
- Cable sheath: PUR, UV stabilized
- Temperature range: -40°C to +125°C
- Delivery condition: Packed in PE bag

Working length: 4500mm

Pigtail length: 300mm

Artikel Nr.
Part No.

8641352

Working length: 5200mm

Pigtail length: 1000mm

8641353



Advice:

Only to be used on Multivolt EBS/ABS systems. It is the responsibility of the user to ensure the correct voltage.

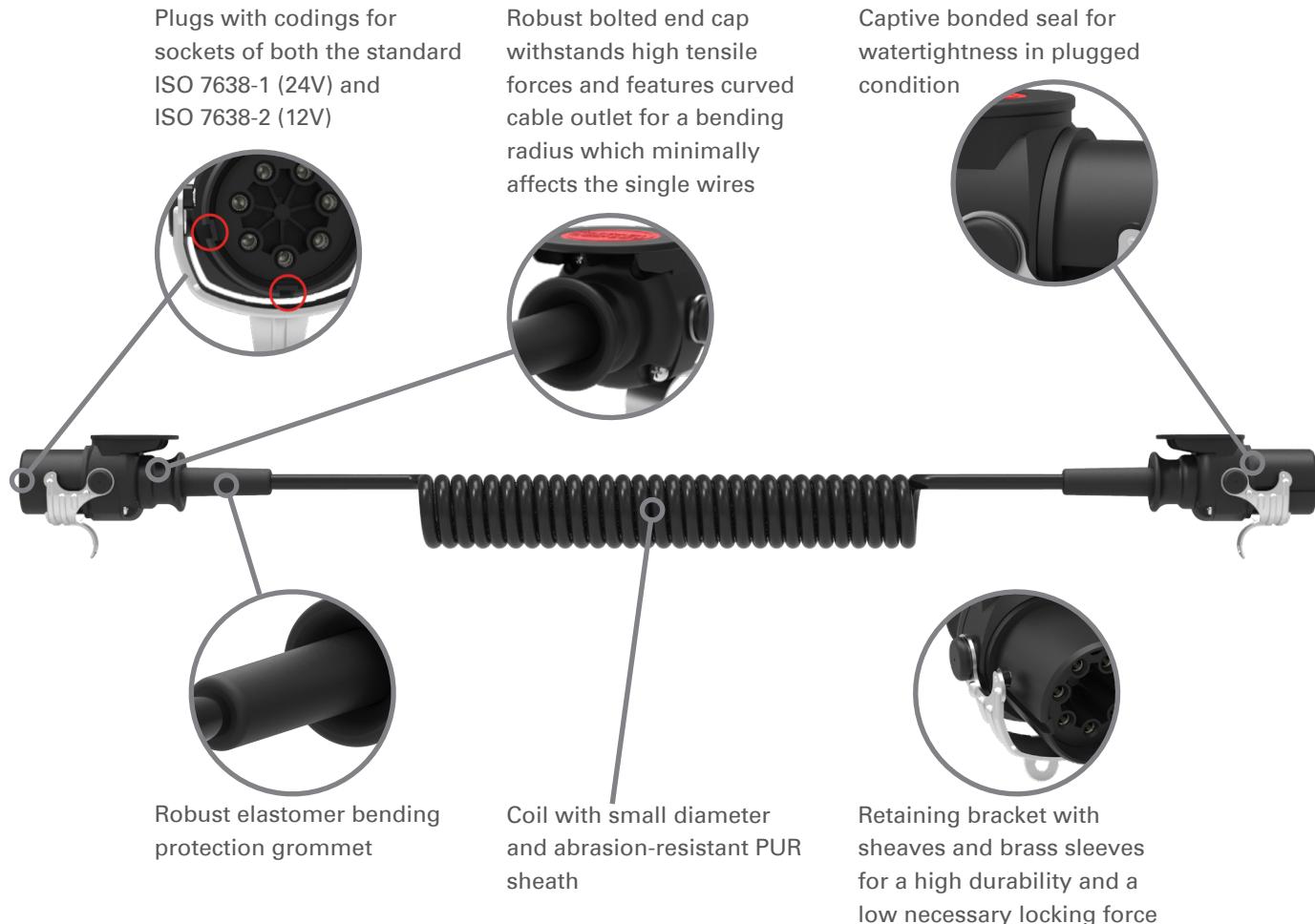
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Contact allocation for connectors according to ISO 7638-1 and ISO 7638-2

| Contact No. | Function | Cross-sectional area | Core insulation colour |
|-----------------|--------------------|----------------------|------------------------|
| 1 | Plus electrovalve | 4 mm ² | red |
| 2 | Plus electronics | 1,5 mm ² | black |
| 3 | Minus electronics | 1,5 mm ² | yellow |
| 4 | Minus electrovalve | 4 mm ² | brown |
| 5 ¹⁾ | Warning device | 1,5 mm ² | white |
| 6 ²⁾ | CAN-H | 1,5 mm ² | white/green |
| 7 ²⁾ | CAN-L | 1,5 mm ² | white/brown |

1) The warning device is controlled by contact no. 5. This contact has open circuit during normal operation.

2) According to ISO 11992-1 and ISO 11992-2

