

00420300 & 00425570 CONNECTORS

7-Pole Plastic Body EBS Sockets • 12V • ISO 7638-2



Specifications Overview

Voltage: 12V
Standards: ISO 7638-2

Web Resources

Download technical resources at:
littelfuse.com/connectors

Description

The EBS system conforming to ISO/DIN 7638 is compulsory on all vehicles weighing over 3,5 tons. These connectors are used for the electrical connection of the EBS braking system between a truck tractor and a trailer or semitrailer in the commercial vehicles sector, both for 24V and 12V electrical systems.

The connectors are available in a 7 pole version for the EBS braking system.

EBS requires two additional contacts in order to permit the exchange of data between cab and trailer, so as to optimize the braking effect.

The sockets are provided with an expulsion system of the plug in case it is not plugged in correctly.

Features and Benefits

- Standards: Conforms to ISO 7638-2, standards.
- Conforms to ADR/GGVS norm requirements for vehicles transporting hazardous goods.
- Version of crimp contacts with a special tool.
- Version of screw contacts (suitable for the spare parts market)
- Mechanical resistance and watertightness guarantee an efficient and reliable electrical connection.

Ordering Information

| PART NUMBER | ISO | REAR CABLE OUTLET | TERMINAL TYPE | POLE SECTION | CABLE DIAMETER |
|-------------|--------|-------------------|---------------|---------------------------|----------------|
| 00420300 | 7638-2 | Screw-on | crimp | 2x6+5x1,5 mm ² | 15,5 mm |
| 00425300 | 7638-2 | Screw-on | screw | 2x6+5x1,5 mm ² | 15,5 mm |
| 00425370 | 7638-2 | Screw-on | screw | 2x4+5x1,5 mm ² | 7/12 mm |
| 00420700 | 7638-2 | Bayonet | crimp | 2x6+5x1,5 mm ² | 15,5 mm |
| 00425400 | 7638-2 | Bayonet | screw | 2x6+5x1,5 mm ² | 15,5 mm |
| 00425470 | 7638-2 | Bayonet | screw | 2x4+5x1,5 mm ² | 7/12 mm |
| 00420900 | 7638-2 | Bayonet 90° | crimp | 2x6+5x1,5 mm ² | 15,5 mm |
| 00425500 | 7638-2 | Bayonet 90° | screw | 2x6+5x1,5 mm ² | 15,5 mm |
| 00425570 | 7638-2 | Bayonet 90° | screw | 2x4+5x1,5 mm ² | 7/12 mm |

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Accessories

| PART NUMBER | IMG. | SOCKET | DESCRIPTION OF ACCESSORIES |
|--|------|--|--|
| 00601100 (10 pcs) | 1 | 00420300 00425300 00420700 00425400 00420900 00425500 | Nut + Rubber seal for EBS socket (cable diameter 15,5 mm) |
| 00605000 (10 pcs) | 2 | 00425370 00425470 00425570 | Nut + Rubber seal for EBS socket (cable diameter 7/12 mm) |
| 00601400 | 4 | 00420300 00420700 00420900 | Kit of crimp pins for EBS socket (2x6+5X1,5mm ²) |
| 00604500 | 5 | 00425300 00425370 00425400 00425470 00425500 00425570 | Kit of screw pole for 7 pins EBS socket |
| 00601600 (200 pcs) 00601660 (100 pcs) | 4 | 00420300 00420700 00420900 | Male crimp pins for EBS socket 6 mm ² |
| 00601700 (300 pcs) 00601761 (200 pcs) | 3 | 00420300 00420700 00420900 | Male crimp pins for EBS socket 1,5 mm ² |
| 00604490 (150 pcs) | 5 | 00425300 00425370 00425400 00425470 00425500 00425570 | Male screw pins for EBS sockets |
| 00420600 | 6 | for all plugs | 12V EBS Parking Socket |
| 07990300 | 7 | 00420300 00420700 00420900 | Hand Crimping tool for EBS pins |

