Bus Connector for CAN Bus

Bus connector for CAN bus with (l.) and without (r.) connection jack

Bus connector for CAN bus, axial

The bus connectors for CAN bus are used to connect a CAN bus station to the CAN bus cable. The connector is quickly mounted and has integrated, connectable terminating resistors.

The Systeme Helmholz GmbH offers the bus connector with a vertical outgoing cable and for transmission rates up to 1 Mbits/s.

The bus connector is plugged directly onto the CAN bus interface (SUB-D-connector, 9-way) of the CAN bus stations. The CAN bus cables are connected using 6-way screw terminals.

Using a slide switch, you can set whether the connector is to be used as a node or segment end. The switch can also be operated when the connector is installed. The setting can be clearly seen.

The connector must be operated in node setting (“OFF“) when the incoming bus and the outgoing bus are to be interconnected. The terminating resistors are then bypassed.

The connector must be set as a segment end (“ON“), on the first and last (extreme) stations of the segement. In that case the terminating resistors are connected on the incoming bus, the outgoing bus is disconnected.

The bus connectors for CAN are also available with 180° cable outlet.

CAN connected

Member of: CiA

Ordering Data

	Order No.
Bus connector for CAN bus	
without additional connection jack	**700-690-0BA11**
with additional PG connection jack	**700-690-0BB11**
Axial	**700-690-0CA12**

Technical Data

Order-No. 700-690-0BB11 Order-No. 700-690-0BA11	**Connection jack** **yes** **no**
Order-No. 700-690-0CA12	**no**
Dimensions (LxWxH mm)	65 x 48 x 16
Weight	approx. 40 g
Outgoing cable	vertical outgoing cable
Terminating resistor	Resistance 120 Ω; integrated and connectable with slide switch
Transmission rate max.	1 Mbit/s
Interfaces CAN bus station CAN bus cable	 SUB-D connector, 9-way 6 terminals for wires up to 1.0 mm²
Permissible ambient conditions - operating temperature - transport/storage temperature - relative humidity max.	 0°C ... +60°C -25°C ... +75°C 75% at +25°C
Degree of protection	IP 20