Features

- Metalized housing
- No parts that can be lost
- Small size
- The maximum ambient temperature for UL is +60 °C

CAN-Bus Connector
180°

The CAN bus connector serves the purpose of connecting a CAN bus participant to the CAN bus cable. The connector is quickly mounted and has an integrated, connectable terminating resistor.

Helmholz offers you the CAN bus connector for transmission rates up to 1 Mbps.
The CAN bus connector is plugged directly onto the CAN bus interface (SUB-D socket, 9-pin) of the CAN bus participants. The CAN bus cables are connected using 6-pin screw terminals.
A slide switch is used to set whether the connector is to be used as a node or at the segment end.
The switch can also be operated in the installed condition. The setting is clearly visible.
In node setting (“OFF”), the connector must be operated when the incoming and outgoing bus are connected to each other. The terminating resistor is then ineffective.
As segment end (“ON”), the connector must be set on the first and last (outermost) participants of the segment respectively. In this case the terminating resistor is connected on the incoming bus, and the outgoing bus is disconnected.
The CAN connectors work in the extended ambient temperature range of -25 °C to +85 °C.

General information

Order number	700-690-0CA12
Article name	CAN bus connector, axial
Scope of delivery	CAN bus connector, axial
Dimensions (DxWxH)	35 x 17 x 68
Weight	Approx. 40 g
Cable outlet	Axial
Terminating resistor	Resistor 120 Ω integrated and switchable with slide switch
CAN bus cable	Wires up to 0.5 mm², 60/75 °C copper cable
Maximum outside diameter	8.0 mm

Voltage supply	DC 24 V

CAN interface

Number	1
Transmission rate	max. 1 Mbps
Connection	SUB-D female connector, 9-pin
PG connection socket	No

Connector

Connector type	terminal strips
Number	6

Ambient conditions

Ambient temperature	-25 °C … +85 °C(The maximum ambient temperature for UL is +60 °C.)
Transport and storage temperature	-25 °C … +85 °C
Relative air humidity	70 % at +25 °C
Pollution degree	2
Protection rating	IP20
Approvals	CE, UL