

CAN 300, Communication Module



CAN 300, communication module

The CAN 300 module from the Systeme Helmholz GmbH for use in a S7-300¹⁾ from Siemens permits connection of CAN stations with the programmable controller. The module can be slotted either into the central controller or into the expansion unit.

The CAN 300 modules support both CAN 2.0A (11 bit) and CAN 2.0B (29 bit) frames with a free selectable baudrate of 10 Kbit/s to 1 Mbit/s.

The CAN 300 module can also be run as Layer 2, CANopen Master, CANopen Slave and with Lenze System bus.

The CAN 300 module contains the power management functions „Power On“, „Stop -> Run“ and „Run -> Stop“. IDs relevant to the programmable controller can be prefiltered using a 5-level acceptance mask.

In CAN 300 modules, 11 free settable timers are available. Each timer can trigger a free programmable CAN frame. In that way, it is simple to implement synchronous protocols commonly used in drive and servo control using the CAN 300 module.

**Note**

Informations about software and handling blocks are available on page 64 and 65.

Technical Data

Dimensions (LxWxH mm)	116 x 40 x 125
Weight	approx. 280 g
Power supply Voltage	+5 V DC via backplane bus
Current consumption	typ. 160 mA max. 190 mA
CAN interfaces Type	ISO/DIN 11898, CAN High Speed physical Layer
Transmission rate	10 Kbit/s to 1 Mbit/s
Protocol	CAN 2.0A (11 bit) CAN 2.0B (29 bit) CANopen Master CANopen Slave LENZE Systembus
Connection	connector, SUB-D, 9-way
Configuration interfaces Type	RS232, serial asynchronous
Transmission rate	9.6 KBit/s
Format	8/N/1
Connection	connector, SUB-D, 9-way
Permissible ambient temperature - operating - transport and storage	0°C ... +60°C -25°C ... +75°C

1) S7-300® is a registered trademark of Siemens AG

Ordering Data

	Order-No.
CAN 300, communication module	700-600-CAN01
Programming cable PC to CAN 300 communication module	700-610-0VK11
Manual CAN 300, german/english	900-600-CAN01
CAN Training Course (see page 68)	400-600-CAN01

CAN 300, Communication Module with DNV certificate



CAN 300, communication module (DNV)



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In CAN 300 modules, 11 free settable timers are available. Each timer can trigger a free programmable CAN frame. In that way, it is simple to implement synchronous protocols commonly used in drive and servo control using the CAN 300 module.

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The CAN 300 module is DNV (Det Norske Veritas) „peripheral equipment“ approved for increased application conditions (-25°C...+70°C).

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Connection	connector, SUB-D, 9-way
Permissible ambient temperature - operating - transport and storage	-25°C ... +70°C -25°C ... +75°C

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Ordering Data

	Order-No.
CAN 300 , communication module (DNV)	700-600-CAN81
Programming cable PC to CAN 300 communication module	700-610-0VK11
Manual CAN 300 , german/english	900-600-CAN01
CAN Training Course (see page 68)	400-600-CAN01