

CAN 400, Communication Module



CAN 400, communication module

The CAN 400 module from the Systeme Helmholtz GmbH for use in a S7-400¹⁾ 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 400 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 400 module can also be run as Layer 2, CANopen Master, CANopen Slave and with Lenze System bus.

The CAN 400 module contains the scripts „Power On“, „Stop -> Run“, „Run -> Stop“, „Power Off“. IDs relevant to the programmable controller can be prefiltered using a 5-level acceptance mask.

In CAN 400 modules, 16 free settable timers up to a resolution of 1ms 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 400 module.

Note

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

CAN
connected

CANopen

Member of: **CiA**

Technical Data

Dimensions (LxWxH mm)	290 x 210 x 25	290 x 210 x 25
Weight	approx. 900 g	approx. 900 g
Power supply		
Voltage	DC +5 V via backplane bus	DC +5 V via backplane bus
Current consumption	typ. 160 mA max. 190 mA	160 mA 190 mA
CAN interfaces		
Number	1	2
Type	ISO/DIN 11898, CAN High Speed physical Layer	ISO/DIN 11898, CAN High Speed physical Layer
Transmission rate	10 Kbit/s to 1 Mbit/s	10 Kbit/s to 1 Mbit/s
Protocol	CAN 2.0A (11 bit) CAN 2.0B (29 bit) CANopen Master CANopen Slave LENZE Systembus	CAN 2.0A (11 bit) CAN 2.0B (29 bit) CANopen Master CANopen Slave LENZE Systembus
Connection	SUB-D connector, 9-way	2 x SUB-D connector, 9-way
Status signal	6 LEDs	10 LEDs
Configuration interfaces		
Type	USB 1.1	USB 1.1
Connection	USB A-female	USB A-female
Permissible ambient temperature		
- operating	0°C ... +60°C	0°C ... +60°C
- transport and storage	-25°C ... +75°C	-25°C ... +75°C

1) S7-400® is a registered trademark of Siemens AG

Ordering Data

	Order-No.
CAN 400-1 , Communication module with 1 CAN interface	700-640-CAN11
CAN 400-2 , Communication module with 2 CAN interfaces	700-640-CAN21
Manual CAN 400 , german/english	900-640-CAN21
CAN Training Course (see page 68)	400-600-CAN01