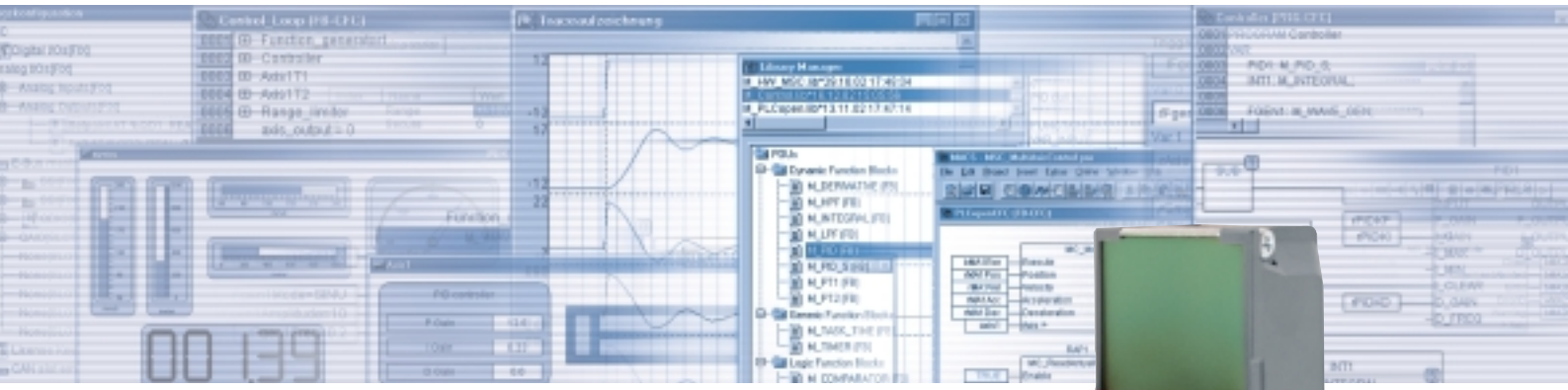
MOOG

M3000
Control System



QCAN
CAN Extension Module

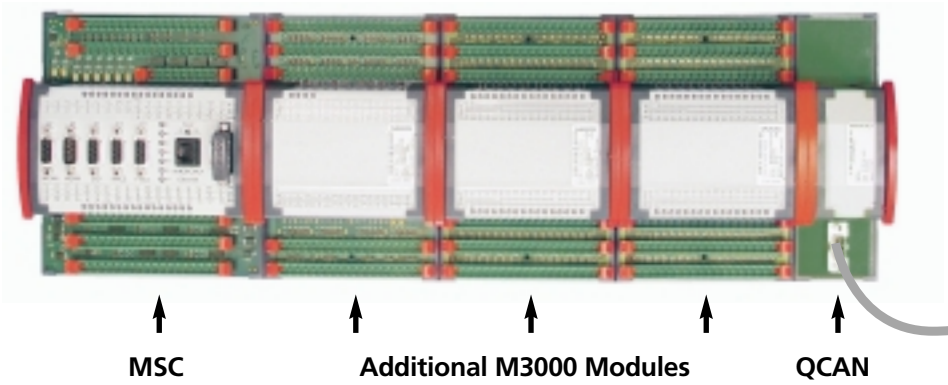
GENERAL

The QCAN module serves to use the LocalCAN bus for external CANbus subscribers.
The localCAN bus is integrated in the extension bus connector and is provided via the QCAN module by means of a D-sub jack.
The module is mounted on a DIN top-hat rail and connected with the MSC (Moog Servo Controller) or extension module via the internal extension bus (E-bus).

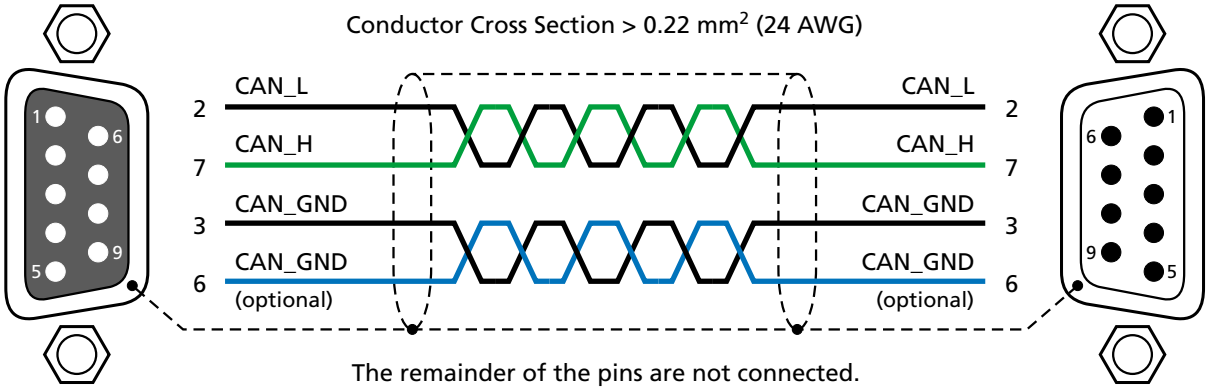
NOTES

- The QCAN module does not count as an E bus subscriber. It can, therefore, be used in addition to the maximum of 8 E-bus subscribers.
- The QCAN module must always be arranged to the right of the last module of an E-bus segment.
- The module has a smaller width than the QDIO, QAIO and RDIO modules.
- The module does not need to be configured.
- The E-bus is not continued in the module (last module in the E-bus segment).

ARRANGEMENT OF M3000 MODULES



CONNECTION DIAGRAM FOR CANBUS CABLES



9-Pole D-Sub Connector with Socket Contacts (pursuant to DIN 41652)

9-Pole D-Sub Connector with Pin Contacts (pursuant to DIN 41652)

Module Data	CAN Extension Module
Designation	QCAN
Order number	D137-001-003
Connection to M3000 modules	Via E bus, max. 1 module (arrange on right)
Assembly	NS 35/7.5 bearing rail to EN 50022 (DIN top-hat rail)
Dimensions, WxHxD (mm)	65 x 170 x 85,5 (attachment dimension: W = 59.5)
Temperature range	+5°C (+41°F) to +50°C (+122°F) (operation) and
	-25°C (-13°F) to +70°C (+158°F) (storage)
Relative air humidity	10 % to 95 % (non-condensing)

Standards	
Interference emission / immunity	EN 61000-6-4 / EN 61000-6-2, industrial part
Protection class / Protection system	III / IP20
Insulation strength	IEC 61131-2; test voltage 500 V DC

Energy Supply	
Supply voltage	None (passive module)

Interfaces	
E-bus	Extension bus for M3000 modules contains the LocalCAN bus of the MSC
CAN bus	9-poled D-sub plug-in connection with jack contacts and Internal CAN termination resistor at 120 Ω

Accessories

Designation	Description	Order Number
CAN connection cables, 3 meters	One side: 9-pole D-sub plug-in connection with pin contacts (to DIN 41652). Other side: 9-pole D-sub plug-in connection with jack contacts (to DIN 41652).	B95863-001
CAN connection cables, 10 meters	One side: 9-pole D-sub plug-in connection with pin contacts (to DIN 41652). Other side: 9-pole D-sub plug-in connection with jack contacts (to DIN 41652).	B95863-002
CAN terminator 120 Ω	9-pole D-sub plug-in connection with jack contacts (to DIN 41652).	B95864-001
CAN terminator 120 Ω with grounding	9-pole D-sub plug-in connection with pin contacts (to DIN 41652) CAN-GND connected to SL/PE.	B95865-001

Detailed information and integration tips can be obtained from the users' manuals referenced.

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Russia
Singapore
South Africa
Spain
Sweden
USA

Our quality standard is according to DIN EN ISO 9001.

CE

The modules described in this catalog have passed the EMV examination according to the EU directive.

NOTES

This catalog is intended for users with technical knowledge. In order to ensure that the peripheral conditions necessary for the function and the safety of the system have been fulfilled, the user must examine the suitability of the modules described herein. Please contact Moog for further clarification.

Technical changes are reserved.

MOOG

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