Connectors

This page shows the **connectors** of the MBD servo drive. The connector arrangement depends on the current size of the drive.

Connectors for up to 12/24A size.

The illustration below shows the connector arrangement for the smaller drive sizes (up to 12/24 A).

TYPE	DESCRIPTION	MODEL	MAX CROSS SECTION
C1	24V-DC/STO A-B	MINI COMBICON, MC 1.5/4-G-3,81	1,5mm ^{2}
C2	RS232	D-SUB 9 pins male	0,5mm ^{2}
C3	Motor	COMBICON POWER, HC/6-G-7.62	2,5mm ^{2}
C4	AC Connection	COMBICON POWER, HC/9-G-7.62	2,5mm ^{2}
C5	Input/output signals	MINI COMBICON, MC 1.5/12-G-3,81	1,5mm ^{2}
C6	Motor Feedback	D-SUB 15 pins femmina	0,5mm ^{2}
C7	Can (opt. Analog Input)	D-SUB 9 pins femmina	0,5mm ^{2}
C8	Can	D-SUB 9 pins femmina	0,5mm ^{2}
C9	Back-Up/Analog Input	MINI COMBICON, MC 1.5/4-G-3,81	1,5mm ^{2}

Connectors for 30/60A and 42/84A sizes

The illustration below shows the connector arrangement for the larger drive sizes (30/60 A and 42/84 A).

TYPE	DESCRIZIONE	MODEL	MAX CROSS SECTION
C1	24V-DC/STO A-B	COMBICON, MSTB-2,5/4-GF-5,08	1,5mm ^{2}
C2	RS232	D-SUB 9 pins male	0,5mm ^{2}
C3	Motor	HDFK 10	10mm ^{2}
C4	AC Connection	HDFK 10	10mm ^{2}
C5	Input/output signals	MINI COMBICON, MC 1.5/12-G-3,81	1,5mm ^{2}
C6	MotorFeedback	D-SUB 15 pins female	0,5mm ^{2}
C7	Can (opt. Analog Input)	D-SUB 9 pins female	0,5mm ^{2}
C8	Can	D-SUB 9 pins female	0,5mm ^{2}
C9	Back-Up/Analog Input	MINI COMBICON, MC 1.5/4-G-3,81	1,5mm ^{2}
C10	Electromechanical Brake	COMBICON, MSTB-2,5/2-GF-5,08	2,5mm ^{2}

Connector overview

Connector	**Function**
C6	Motor feedback (encoder / SIN-COS)
C5	Digital I/O and OK relay

CAN / RS232	Communication interfaces
Power terminals	Main supply and motor phases

The exact pin assignment of each connector is shown in the corresponding page (I/O, feedback, communication). Use the mating connectors and cable types as listed in the accessories page.

From:
https://www.nilab.at/dokuwiki/ - **NiLAB GmbH Knowledgebase**

Permanent link:
https://www.nilab.at/dokuwiki/doku.php?id=en:mbd_servo_drive:connectors

Last update: **2026/09/11 07:57**