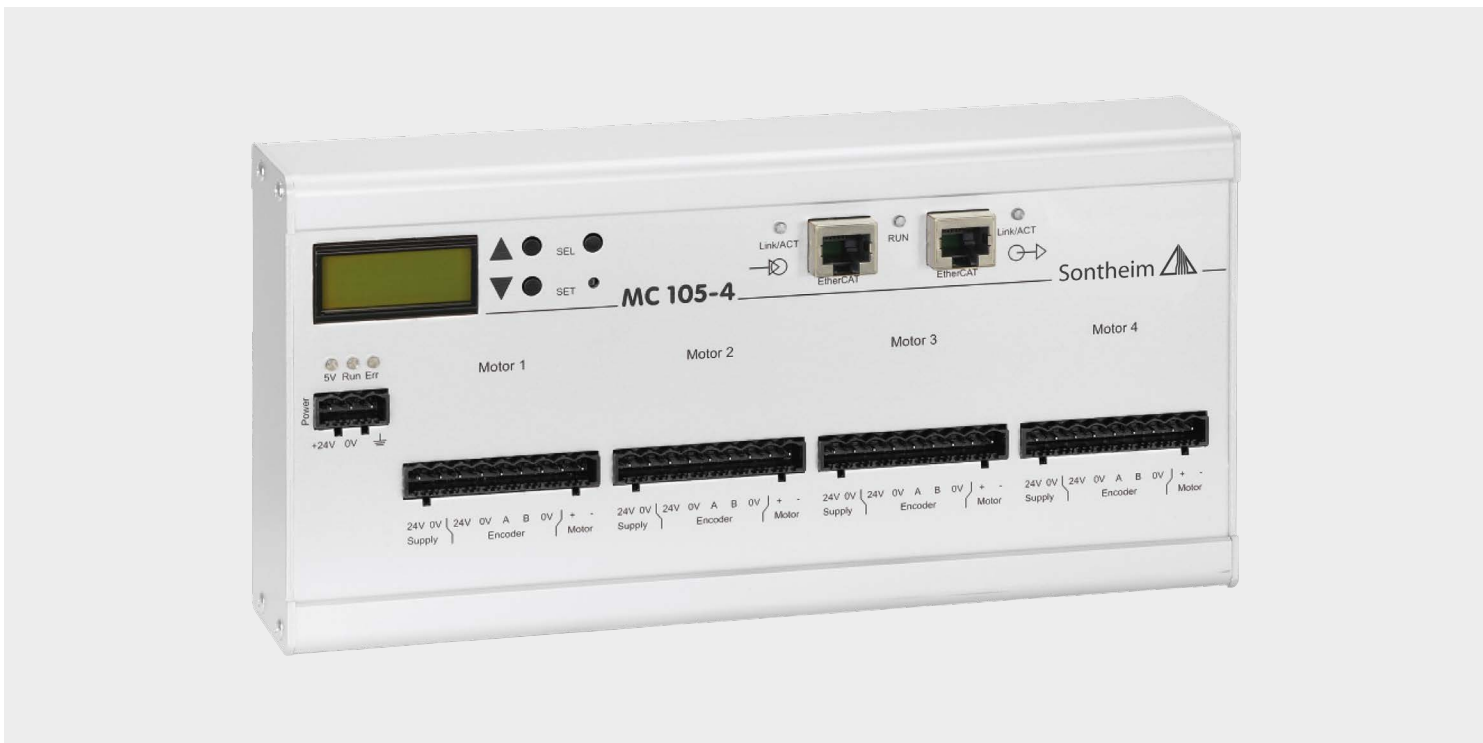
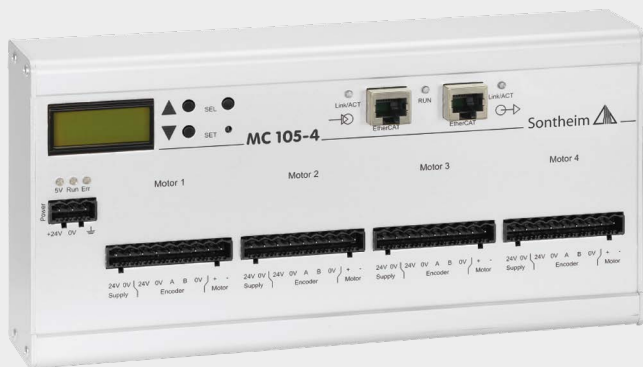


MC105

Compact motion controller





MC105

MC105 is a motion controller for up to four DC motors. It has various configuration options and security functions for extremely high ease of use. An integrated logic module automatically sets and saves all relevant operation data. The motors are all current controlled. It is possible to handle 24 V DC motors with up to 5 A via incremental encoder with a resolution of up to 12 bit.

Key Features



Own intelligence for self regulation and data management



Safety features for high operating safety



Free configuration and storage of operating data



Compact housing with IP20 and integrated top hat rail mounting

Functions of the channel

One motor can be controlled per channel. One encoder and one power supply per channel are available. Current limitation and current measurement can also be performed individually

Safety is a top priority

The limit current is definable and is stored by the module as a base value, thus avoiding errors in the current calculation. The MC105 additionally has an emergency stop function, which is triggered in the absence of bus communication.

Technical Data

CPU	Philips Arm 7
Fieldbus	EtherCAT
LEDs	1× LED green for power supply 1× LED green for operation mode (Run) 1× LED red for error (Err)
Display	2 lines à 16 signs
Dimensions (l×w×h)	241 mm × 120 mm × 48 mm
Weight	approx. 800 g
Housing	Aluminium housing wit protection class IP20
Storage temperature	-10 °C up to +70 °C
Operating temperature	0 °C up to +60 °C
Rel. humidity	90 % non-condensing
Supply of the motors	isolated, 24 V DC up to max. 5 A
Power supply	24 V DC

Pin assignment



RJ 45

1	TX+
2	TX-
3	RX+
4	-
5	-
6	RX-
7	-
8	-



9-pole phoenix connection

1	24 V (supply)
2	0 V (supply)
3	24 V (Encoder)
4	0 V (Encoder)
5	A (Encoder)
6	B (Encoder)
7	0 V (Encoder)
8	+ (Motor)
9	- (Motor)

Order information

V966295000

MC105-4 EtherCAT



Mobile Automation



Industrial Automation



Diagnostics



Connectivity

We are looking forward to your enquiry!

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