

Motor Controllers MAE for DC-drives, to snap onto the DIN Rail EN 50022

- For controlling of brushed DC motors.
- Supply voltage: 18 - 30 V DC.
- Motor current: 5 A continuous load (15 A peak current).
- Speed control (external).
- Reversal of direction of rotation.
- Adjustable start ramp (external).
- Overload shut-down
- Short circuit detection.
- Dynamic brake.

Additional, only at product 430 460 42:

- Overcurrent limitation (extern) / overcurrent shutdown.
- Adjustable current monitoring delay.
- IxR compensation.
- Speed switching from the set speed to 100% speed.

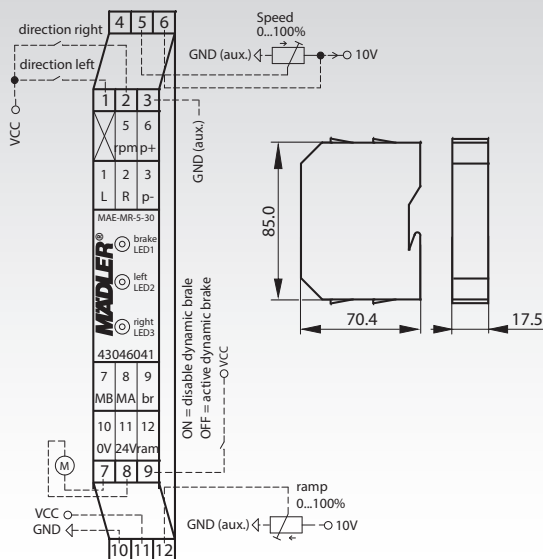
Ordering Details: e.g.: Product No. 430 460 41, Motor controller MAE



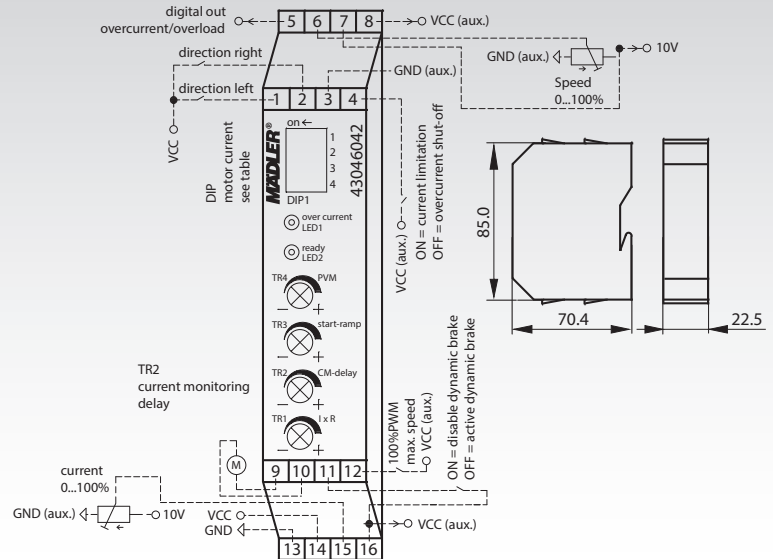
Product No. 430 460 41

Product No. 430 460 42

Product No. 430 460 41, MAE-MR-5-30



Product No. 430 460 42, MAE-4Q-5-30



Operation manual as PDF-file, at www.maedler.de

Product No. 430 460 41

The module MAE-MR-5-30 is a two-quadrant motor control with open loop speed control for DC motors, for use in an industrial environment. It guarantees the switching on and off and the controlled drive of motors. Through two analog inputs it is possible to set the start ramp gradient and the speed of rotation. The motor can be stopped with and without dynamic braking. Size 17.5 x 70.4 x 85.0 mm. Weight 72 g.

Product No. 430 460 42

The MAE-4Q-5-30 module is a multi-functional motor controller for use in industrial environments. It ensures the switching on and off, as well as the controlled driving of motors. The motor's direction of rotation can be set via a digital input. An internal trimmer can be used to set the maximum speed. By means of an analog input the speed can be set between 0 to maximum speed. The dynamic brake can be deactivated over a digital input. The module has an adjustable starting ramp and current monitoring delay. The IxR compensation can be used to minimize load-dependent speed changes. The maximum motor current can be set by DIP switches. Additionally the motor current can be reduced through an analog input during operation. A digital input allows to switch between the functions overcurrent shut-off and current limitation. By means of a further digital input, the module can be switched from the set speed to 100% speed. Size 22.5 x 70.4 x 85.0 mm. Weight 74 g.

General dates

Nominal current 24 V DC. Control inputs 24 V DC.
Ambient temperature -20° to 50° C.
Storage temperature -30° to +85° C.
Monting position: anyway.
Mounting: to snap onto the DIN rail EN 50022.

Hazardous substance norm: RoHS2.
EMC interference immunity: EN 61326-1:2013-01;
EN 61000-6-2:2005-08
EMC emitted interference: operation with power supply: class B;
operation in industrial DC network: class A.