

# Drive modules MD 24/28

## for 2-phase step motors



### Features

- High performance, low noise
- Power supply up to 50 V DC (80 V DC)\*
- Output current up to 4.2 A (7.8 A)\*
- Automatic current reduction
- Suitable for 2-phase and 4-phase stepper motors
- Clock / direction interface
- Input frequency for clock input up to 300 KHz
- 15 (14)\* selectable resolutions up to 25,600 steps/rev (51,200 steps/rev)\*
- Opto-isolated, TTL-compatible inputs
- Protection against short-circuit, overvoltage and overcurrent\*

\* MD 28

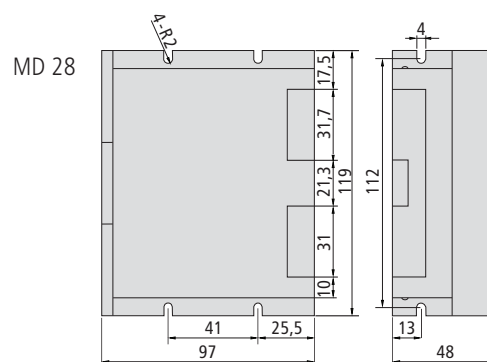
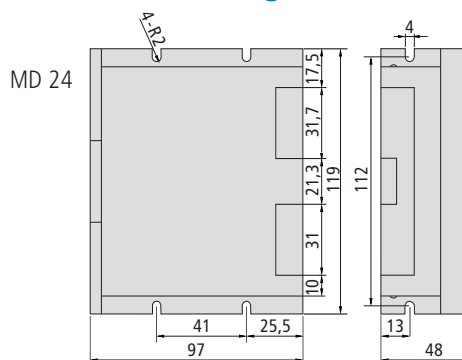
### General

The step motor drive modules MD24/MD28 are powerful final stages for 2-phase and 4-phase step motors. The modules are micro-step capable and thus allow very quiet running of the connected motors. Due to its particular chopper technology for the motor current, identical motors can deliver higher speeds and torques than conventional, comparable drive modules. The clocking/direction interface also allows simple connection to various motion controllers or a PLC.

### Technical specification

Parameter	Unit	MD 24			MD 28		
		Min.	Typical	Max.	Min.	Typical	Max.
Output current	A	1	-	4.2 (3.0 A rms)	2.8	-	7.8 (5.6 A rms)
Mains voltage	VDC	20	36	50	24	68	80
Current logic signals	mA	7	10	16	7	10	16
Clocking input frequency	kHz	0	-	300	0	-	300
Insulation resistance	MΩ	500			500		
Part no.		316303			316304		

### Dimensioned drawings



Technical specifications subject to change.