

Two-phase stepper motors

MS 135/200 HT-2



Two-phase stepper motor MS 135 HT - 2

Features

- Step angle 1.8°, higher resolution through microstep mode
- Very high torque through rare earth magnets
- Optimised for use with position controllers
- Optimum torque/size ratio
- Smaller step angle errors, non-cumulative
- IP43 protection class
- **Optional:**
 - MD 24 drive module
 - Brake (MS 200 HT)
 - Second shaft end (MS 200 HT)

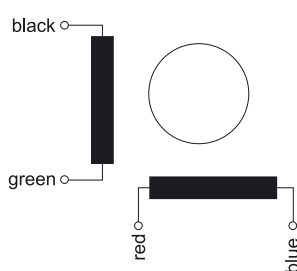
General

Two-phase stepper motors behave similarly to synchronous motors. They are easy to control and are characterised by very long working life and reliability, at a favourable price. This results in a wide range of applications. Two-phase stepper motors in the MS range are of the high torque type. A particularly high torque is achieved by the use of rare earth magnets.

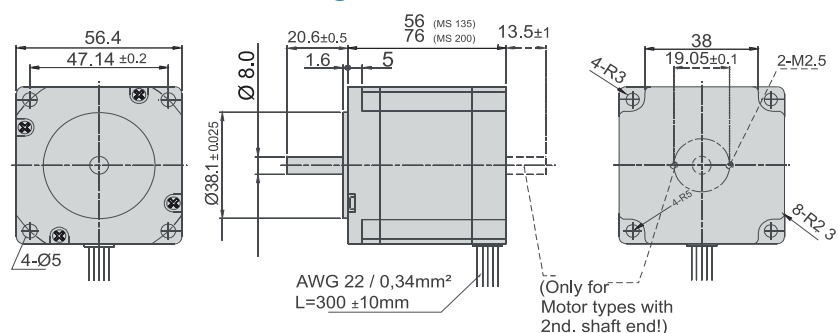
Technical specification

Description	Holding moment bipolar Nm	Winding current per phase A	Winding voltage per phase V	Winding inductance per phase mH	Weight kg	Length (without shaft) mm	Part no.
MS 135 HT-2	1.1	3.0	2.4	2.4	0.7	56	470551
MS 200 HT-2	1.8	3.0	3.0	3.5	1.0	76	470581
MS 200 HT-2 (2nd shaft end)	1.8	3.0	3.0	3.5	1.1	76	470581 0100
MS 200 HT-2 (brake)	1.8	3.0	3.0	3.5	1.8	76	470581 0200

Wiring diagram

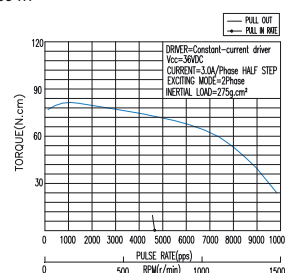


Dimensioned drawing

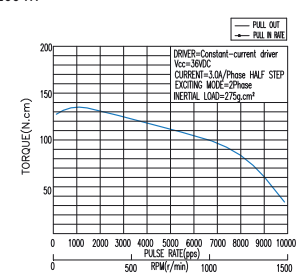


Torque curves

MS 135 HT



MS 200 HT



Technical specifications subject to change.