

High Performance Stepper Motors HS200 Series

- 2-phase Hybrid Step Motor in Frame Size NEMA 23
- Holding Torque from 0,4 up to 1,6 Nm
- Full Step Angle 1,8°
- Direct Heat Dissipation from the Lamination
- Noise and Vibration optimized Shape of Lamination
- Linear Torque of up to 2,5 times of the rated Current for short Acceleration/Deceleration Periods

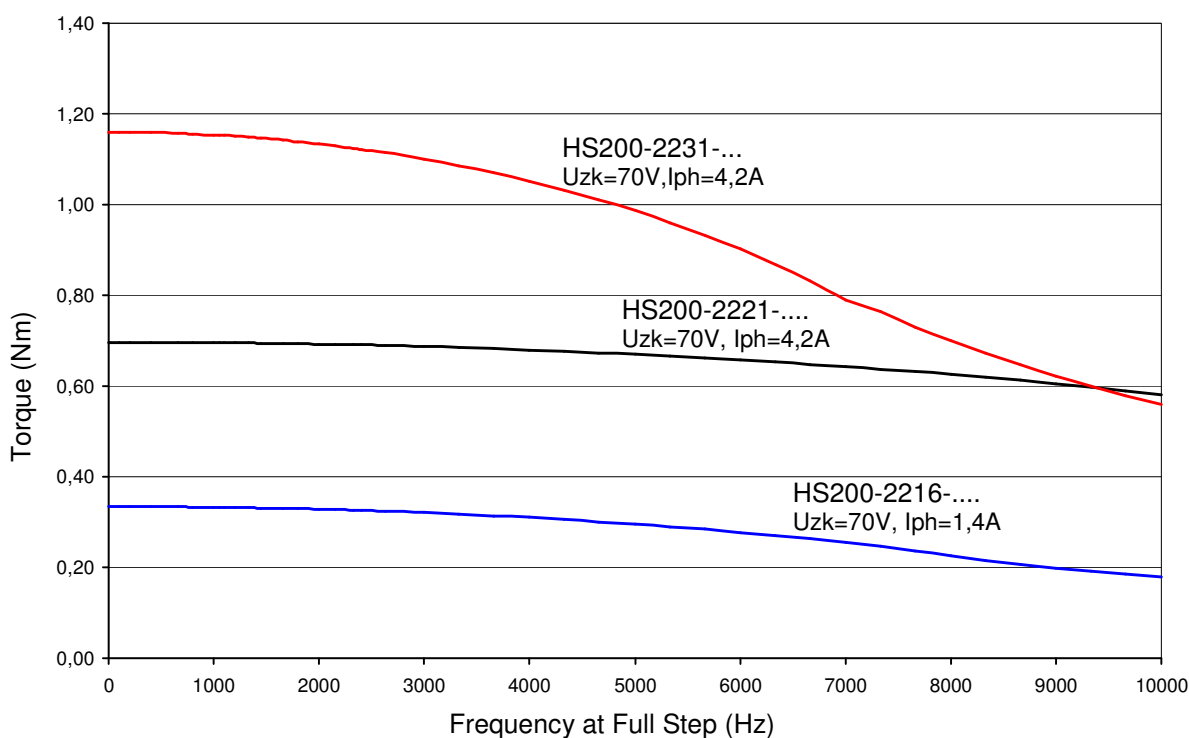
Technical Data (Standard Types)

	HS200-2231-0300-AX08				
	HS200-2221-0300-AX08				
	HS200-2216-0100-AX08				
Holding Torque (bipolar, 2 phases parallel connected)	M_H	Nm	0,47	0,98	1,63
Rated Current Phase (bipolar parallel)	I	A	1,4	4,2	4,2
Rated Current Phase (bipolar serial)	I	A	0,7	2,1	2,1
Step Angle		°	1,8	1,8	1,8
Angular Tolerance		%	5	5	5
Resistance per Phase	R_{ph}	Ω	4,6	0,7	1,1
Inductance per Phase	L_{ph}	mH	4,6	0,9	1,7
Residual Torque	M_P	Nm	0,02	0,04	0,07
Insulation Class			B	B	B
Rotor Inertia	J	$Kgm^2 \cdot 10^{-3}$	0,008	0,022	0,034
Mass	m	kg	0,5	0,7	1,0

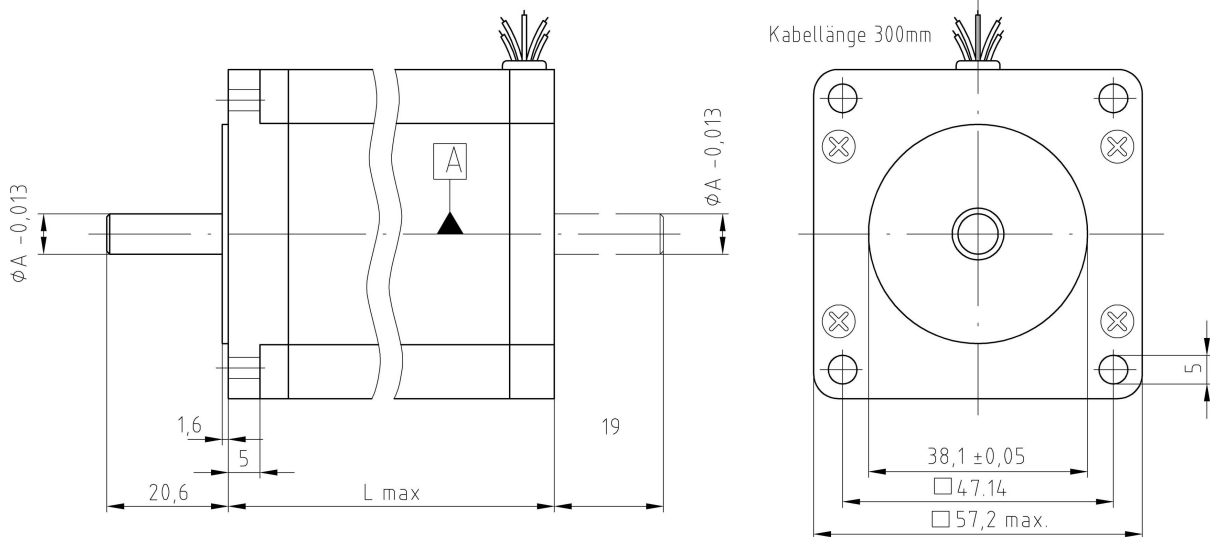
Standard Version: NEMA 23, smooth shaft
8 flying leads for serial or parallel connection

Further types and options for those series as well as stepper drives and other accessories are available upon request.

Torque Characteristics (Connection bipolar, parallel)



Dimensions



all dimensions in mm

	Length (Lmax)	Shaft (ϕA)
HS200-2216	41 mm	6,35 mm
HS200-2221	55 mm	6,35 mm
HS200-2231	77 mm	8 mm

subject to change without notice

CONTACTS

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