

NEW

Brushless Gearmotors

Electronic Commutation

5 mNm

For combination with
Drive Electronics:
BLD 1501 H

Series 1307 ... BH

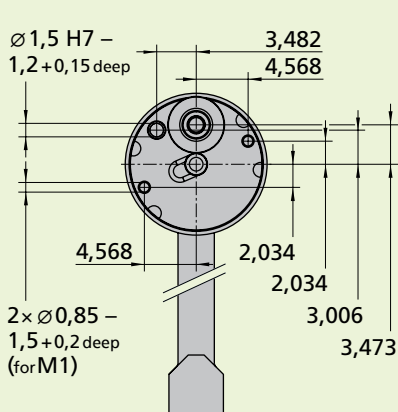
	1307 C	008 BH	035 BH	
Power supply Electronic ¹⁾	U _B	5 ... 15	5 ... 15	Volt
Strand resistance	R	8	35	Ω
Max. continuous current ²⁾	I _c	200	100	mA
Max. intermittent current ²⁾	I _s	400	200	mA
No-load current at 10 000 min ⁻¹	I ₀	14	9	mA
Recommended max. input speed for: – continuous operation	n _{max.}	10 000	10 000	min ⁻¹
Rotor inertia	J	0,16	0,16	gcm ²
Operating temperature range		0 ... +70	0 ... +70	°C
Bearings on output shaft – gearhead – motor		ball bearings sleeve bearings excentric	ball bearings sleeve bearings excentric	
Orientation output shaft				
Housing material		plastic	plastic	
Geartrain material		metal	metal	
Magnet material		NdFeB	NdFeB	

008 BH					035 BH			
Reduction ratio (rounded)	output speed up to n _{max} rpm	output torque		torque constant k _n μNm/mA	output torque		torque constant k _n μNm/mA	weight with motor g
		continuous operation	intermittent operation		continuous operation	intermittent operation		
		M _{max.} mNm	M _{max.} mNm		M _{max.} mNm	M _{max.} mNm		
6 : 1	1 639	0,4	0,9	2,3	0,3	0,7	3,6	2,1
11 : 1	893	0,7	1,4	3,6	0,5	1,1	5,7	2,2
32 : 1	310	1,7	3,4	8,9	1,3	2,7	14,2	2,3
93 : 1	107	4,1	8,5	22	3,2	6,7	35	2,4
270 : 1	37	5,0	10,0	55	5,0	10,0	88	2,5
659 : 1	15	5,0	10,0	115	5,0	10,0	184	2,5

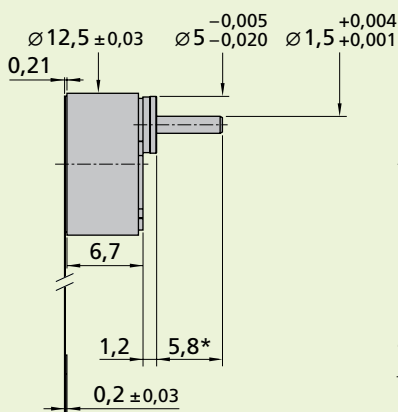
¹⁾ DC link voltage with BLD 1501 H

²⁾ DC link current

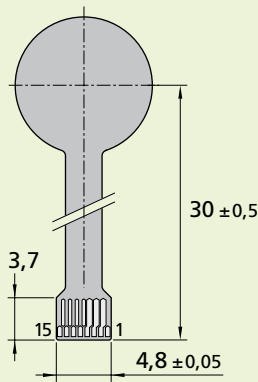
Scale enlarged M 1,5:1



* also available with 2,8 mm output shaft length



1307 C



Connection

No.	Function
1	Star point
2	Phase A
3	Phase A
4	Phase B
5	Phase B
6	Phase C
7	Phase C
8	Hall sensor In+
9	Hall sensor In-
10	analog Hall A Out+
11	analog Hall A Out-
12	analog Hall B Out+
13	analog Hall B Out-
14	analog Hall C Out+
15	analog Hall C Out-

Connectors

15-pole; 0,3 mm pitch; e.g.: Hirose: FH23-15S-0.35HAW