

Motor

E-SMC-HZ-XH – 400 W– 750 W



Main features

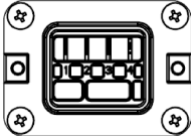
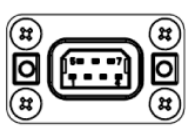
- Maximum speed: 6000 rpm
- 3.5 times rated torque (maximum)
- High precision 23-bit multi-turn absolute optical encoder
- With or without holding brake

Technical Characteristics

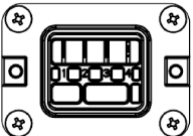
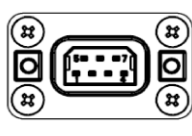
Ordering number	E-SMC-HZ-XH-0430A-U30	E-SMC-HZ-XH-0430A-U32	E-SMC-HZ-XH-0830A-U30	E-SMC-HZ-XH-0830A-U32
Flange dimensions	60	60	80	80
Rated power (W)	400	400	750	750
Rated voltage (V)	220	220	220	220
Rated rotational speed (rpm)	3000	3000	3000	3000
Max. rotational speed (rpm)	6000	6000	6000	6000
Rated torque (Nm)	1.27	1.27	2.39	2.39
Max. torque	3.18	4.45	8.36	8.36
Rated current (Arms)	2.6	2.6	4.6	4.6
Max current (Arms)	6.5	8.6	16.3	16.3
Rotational inertia kg.m ² ×10 ⁻⁴	0.23	0.60	1.72	1.77
Brake (holding type)	No	Yes	No	Yes
Brake rated voltage (V)	NA	DC24	NA	DC24
Brake holding torque (Nm)	NA	1.27	NA	2.4
Brake rated power (W)	NA	7.6	NA	10
Brake rated resistance (Ω)	NA	75.8 +/- 7%	NA	57.6 +/- 7%
Weight (kg)	1.3	1.51	2.15	2.83
Drive	E-SAC-HZ5-U3-PA2R8	E-SAC-HZ5-U3-PA2R8	E-SAC-HZ5-U3-PA5R5	E-SAC-HZ5-U3-PA5R5
	E-SAC-HZ5-U3-NA2R8	E-SAC-HZ5-U3-NA2R8	E-SAC-HZ5-U3-NA5R5	E-SAC-HZ5-U3-NA5R5

Electrical connection

E-SMC-HZ-XH-0430A-U30 / E-SMC-HZ-XH-0830A-U30

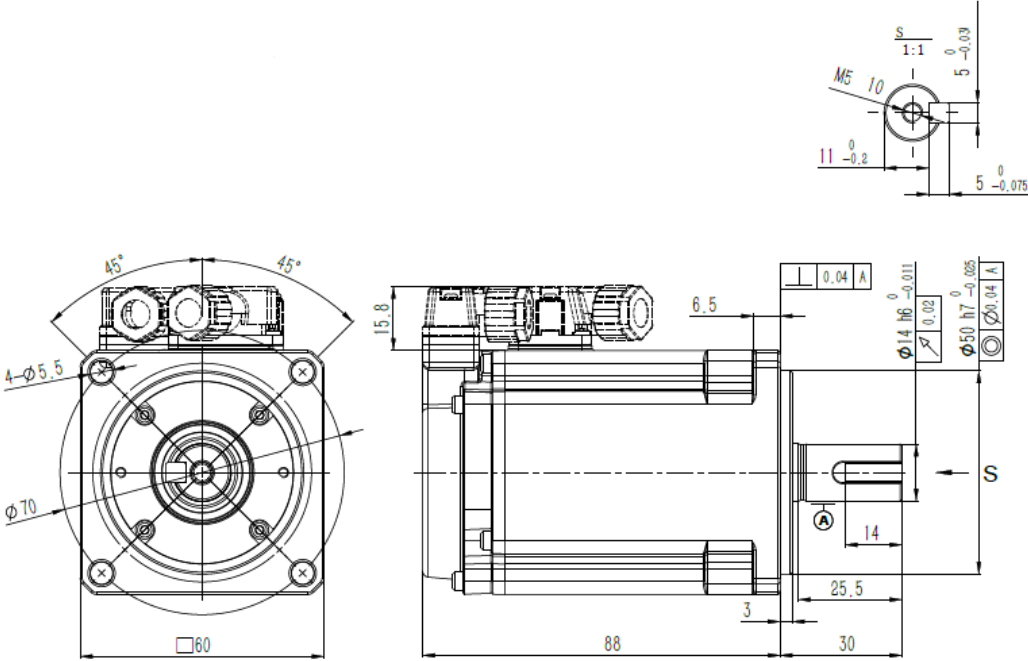
Power terminal definitions			Signal terminal definitions				
	1	V		1	DATA+	5	+5V
	2	U		2	DATA-	6	0V
	3	W		3	BAT+	7	FG
	4	PE		4	BAT-		

E-SMC-HZ-XH-0430A -U32 / E-SMC-HZ-XH-0830A -U32

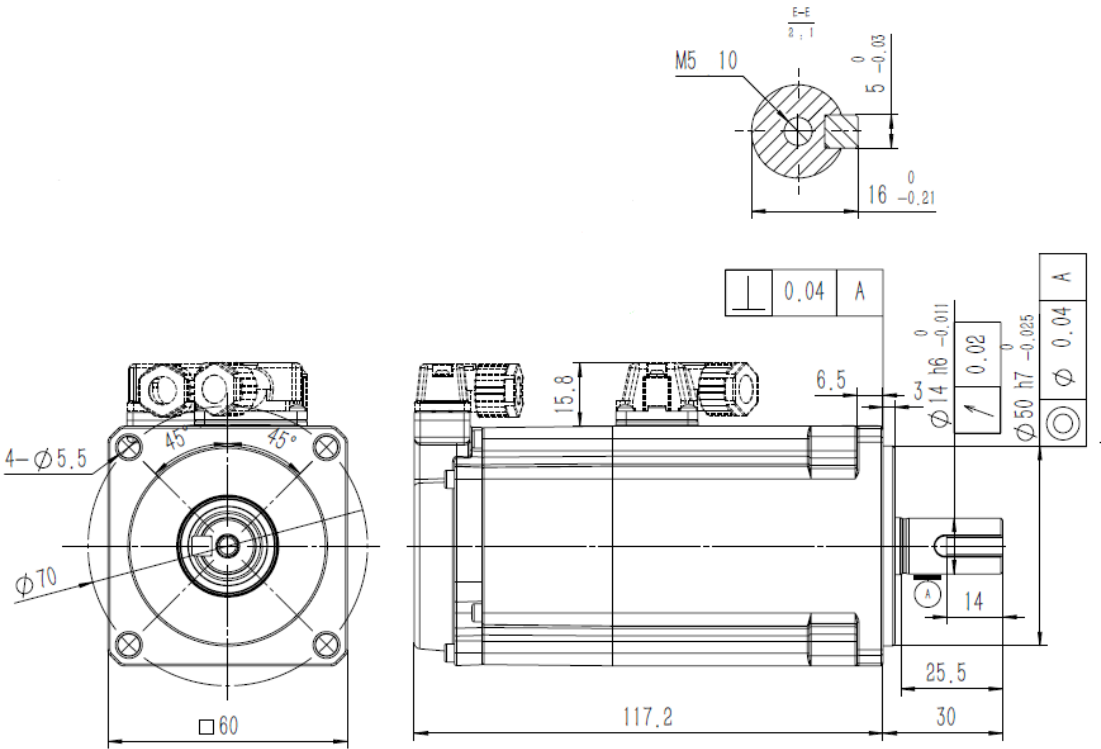
Power terminal definitions					Signal terminal definitions				
	1	V	5	Brake terminals		1	DATA+	5	+5V
	2	U				2	DATA-	6	0V
	3	W	6	Brake terminals		3	BAT+	7	FG
	4	PE				4	BAT-		

Dimensions

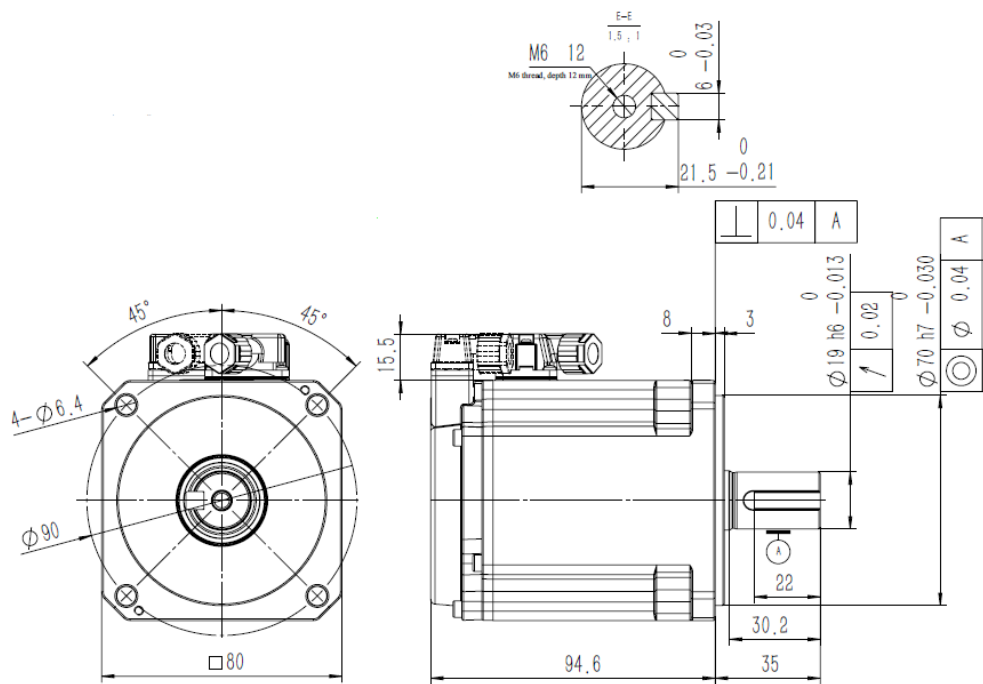
E-SMC-HZ-XH-0430A-U30



E-SMC-HZ-XH-0430A-U32



E-SMC-HZ-XH-0830A-U30



E-SMC-HZ-XH-0830A-U32

