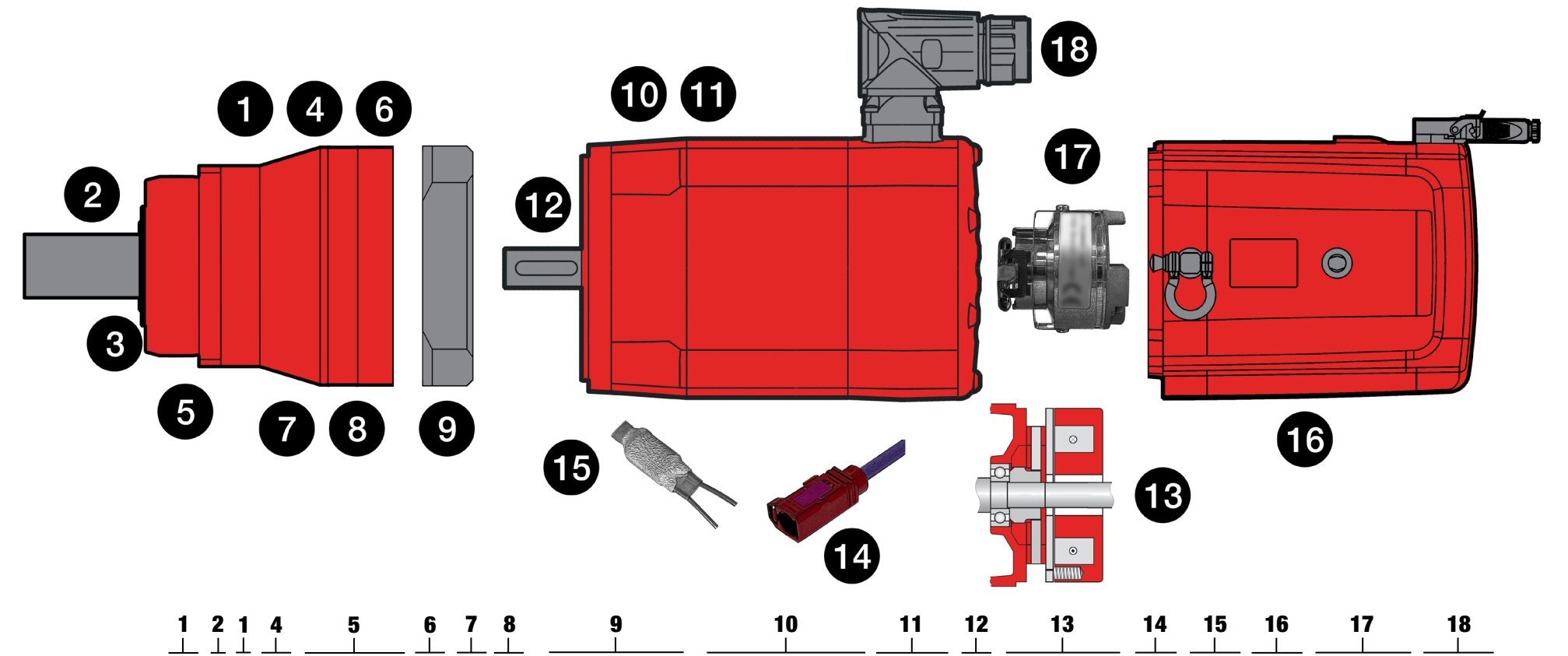


Servo Gearmotor Nomenclature II





EXAMPLE: P 5 N G 3 1 - 0 0 1 0 / N / S / O M D 0 7 1 A C M 3 C 7 1 S - 2 0 A - D / B Z / H R / D I / P K / V R / A Z 2 Z / S D 1

1 – Gear Type		2 – Shaft Type		3 – Mounting Flange		5 – Ratio (PxG®)		6 – Gear Options		9 – Input Adapters		
BS.F	Helical Bevel	–	Smooth Solid	Z	IEC B14 (PSC)	-xxxx	0003: i = 3	B	Foot/Front-end (BSF)	EBH..	Rigid+clamp / Size (BSF)	
PS.F	Planetary	N	Smooth Solid (PxG®)	4 – Size / Stages			005x: i = 5.5	/R	Red. Backlash (BSF, PSF)	ECH..	Rigid+clamp / Size (PSC)	
PS.C	Planetary	K	Keyed Solid	BSF	20, 30, 40, 50, 60, 80		...	/M	Min. Backlash (PSF)	EPH..	Rigid+clamp / Size (PSC and PSF)	
Px.G	Planetary x = per. class (5, 6, or 7)	B	Flg. blk. w/o ldx.	PSF	12, 22, 32, 52, 62, 72, 82, 92		1000: i = 1,000	/T	Torque Arm (BSF)	HN..	Rigid+clamp / Size (PxG®)	
		C	Flg. blk. w/ldx. (PxG®)	PSC	22, 32, 52, 62	7 – Lubricant (PxG®)		/I	Shrink Disc at Out. (BSF)	HB..	Bellows+clamp / Size (PxG®)	
		V	Spline (PxG®)	PxG®	2, 3, 4, 5, 6, 7	/S	Synthetic Oil	/N	Std. Rot. Clearance (PxG®)	HL..	Rigid+clamp+iner. / Size (PxG®)	
		A	Keyed Hollow (BSF)	Stages	1, 2, or 3	/F	Food-grd. Oil	/R	Red. Rot. Clearance (PxG®)	HC..	Bellows+clamp+iner. / Size (PxG®)	
		H	Shrink Disc (BSF)			/G	Synthetic Grease	8 – Customer Specific (PxG®)		MD..	Compact / Size (PxG®)	
							/H	Food-grd. Grease	/O	Standard		
									/X	Special		

10 – Motor Type / Size / Length	
CM3C..	CM3C Servomotor
CMP..	CMP Servomotor
CMPZ..	CMPZ Servomotor
CM.. / CFM..	CM Servomotor
63, 71, 80, 100	CM3C Sizes
40, 50, 63, 71, 80, 100, 112	CMP Sizes
71, 80, 100	CMPZ Sizes
71, 90, 112	CM Sizes
S, M, L, H, E	Stator Lengths

11 – Speed Class / Voltage (CM3C)	
-20	2,000 rpm
-30	3,000 rpm
-45	4,500 rpm
-60	6,000 rpm
A	400 V system voltage

12 – Shaft Type (CM3C)	
-N	Smooth Solid
-K	Keyed Solid
-P	Pinon End for Gear Unit
-D	MD Compact Mounting

13 – Brakes	
/BK	Magnetic Brake (CM3C and CMP)
/BZ	Spring Brake (CM3C)
/BP	Spring Brake (CMP)
/BY	Spring Brake (CMP and CMPZ)
/BR	Spring Brake (CM)
/HR	Hand Lever Brake Release (BZ, BY, BR)

14 – Interface	
/DI	MOVILINK [®] DDI (CM3C and CMP)

15 – Thermal Protection	
/TF	PTC Thermistor Sensor (CM)
/TH	Bimetallic Switch Thermostat (CM)
/PK	PT1000 Platinum Sensor (all)

16 – Ventilation	
/VR	Forced Cooling Fan

17 – Encoders	
/RH1M	Resolver Med-res (all)
/EK0H /AK0H	HIPERFACE [®] Encoder Med-res (CMP)
/EK1H /AK1H	HIPERFACE [®] Encoder Hi-res (all)
/EZ2Z /AZ2Z	MOVILINK [®] DDI Encoder Med-res (CM3C, CMP)
/EZ4Z /AZ4Z	MOVILINK [®] DDI Encoder Hi-res (CM3C, CMP)
/EH0E /AH0E	EnDat2.2 Encoder Hi-res (CMP)
/EH1E /AH1E	EnDat2.2 Encoder Hi-res (CM3C, CMP)
/EK0J /AK0J	HIPERFACE [®] DSL Encoder Hi-res (CM3C)
/AH1Q	DRIVE-CLiQ Encoder Hi-res (CM3C)
NOTES: /E... encoders are absolute single-turn /A... encoders are absolute multi-turn	

18 – Connectors and Conduit Boxes			
/SM1, /SMB, /SMC /SB1, /SBB, /SBC	M23/M23, M40/M23, or M58/M23 power/signal /SM. = w/o brake, /SB. = w/brake resolver or HIPERFACE [®] encoder (CM3C and CMP)	/SM50, /SM60 /SB50, /SB60	rectangular/round power/signal /SM. = w/o brake, /SB. = w/brake /S.50 = radial encoder, /S.60 = axial encoder (CM)
/SMCD /SBCD	M58/M23 power/signal /SMCD = w/o brake, /SBCD = w/brake MOVILINK [®] DDI w/ or w/o encoder (CMP)	/KK, /KKS	conduit box w/ or w/o brake /KK = cable gland signal, /KKS = M23 signal w/ or w/o resolver or HIPERFACE [®] encoder (all)
/SQ1, /SQB	M23/M23 or M40/M23 power/signal w/ or w/o brake DRIVE CLiQ encoder (CM3C)	/KL, /KLS	conduit box w/ or w/o brake /KL = cable gland signal, /KLS = M23 signal w/ or w/o resolver or HIPERFACE [®] encoder (CMP112)
/SH1, /SHB	M23 or M40 hybrid cable w/ or w/o brake no encoder (CM3C and CMP)	/KD, /KDD	conduit box w/ or w/o brake /KD = cable gland signal, /KDD = M23 signal MOVILINK [®] DDI w/ or w/o encoder (CM3C and CMP)
/SD1, /SDB	M23 or M40 hybrid cable w/ or w/o brake MOVILINK [®] DDI w/ or w/o encoder (CM3C and CMP)	/KK50, /KK60	conduit box w/ or w/o brake /KK50 = radial encoder, /KK60 = axial encoder w/ resolver, SSI, or HIPERFACE [®] encoder (CM)
/SE1, /SE4	M23 hybrid cable w/ or w/o brake EnDat2.2 encoder (CM3C and CMP)	NOTES: /SMC, /SBC, and /KKS are for CMP motors only /SE4 is for CM3C motors only	
/SJ1, /SJB	M23 or M40 hybrid cable w/ or w/o brake HIPERFACE [®] DSL encoder (CM3C)	This poster shows the most common servo gearmotor options and their associated nomenclature. For complete information, consult the appropriate product catalog or an SEW-EURODRIVE representative.	

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