

RE.0315 L (Long Life)

Direct Current Tachometer generator



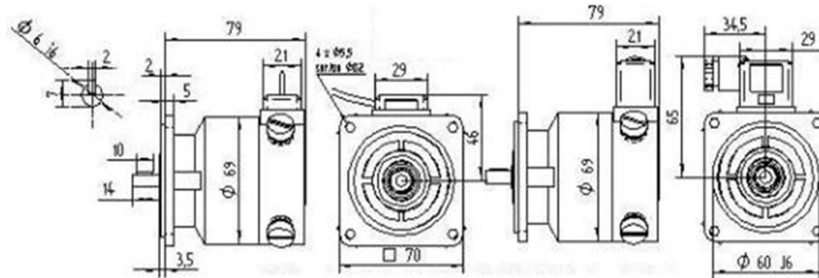
Destination :

- Industrial applications
- Speed control and regulation

Description :

- New mechanical design with terminal box or cable
- Magnetic circuit designed for standard industrial applications
- Only with flange

SCHEMA



CHARACTERISTIQUES GENERALES

DESIGNATION	SYMB	VALUE	DETAILS CONSTITUTIFS	
Max. speed (mechanical)	n_m	8 000 rpm	Insulation class	B (IEC 34-1)
Moment of inertia	J	0.62 Kg cm ²	Operating temperature	-20/+80 °C
No-load driving torque	M_r	0.4 N.cm	Climatic protection	C _a (IEC 68-1)
Max. radial shaft stress	F	0.3 (Ø 6)/1.0 (Ø 11) d N	Protection degree	IP 44 (IEC (34-5)
Maximum E.M.F.	E_m	300 V	Direction of rotation	réversible
Maximum linearity error	ΔE	≤ 0,15 % E_T	Excitation: Permanents magnet:	Alnico
Overall ripple rate (peak to peak)	ΔE_c	≤ 1 % E_c	Masse :	1 kg
Calibration precision	ΔE_o	±1.5 E_{T_o}		
E.M.F. temp. drift				
- Not compensated	ΔE_e	0.02 %/°C		
- Compensated				
Time constant	C_t	0.2 ms		
*Filter: Time constant		1 ms		
Load current		3 mA		
Speed		3 000 rpm		

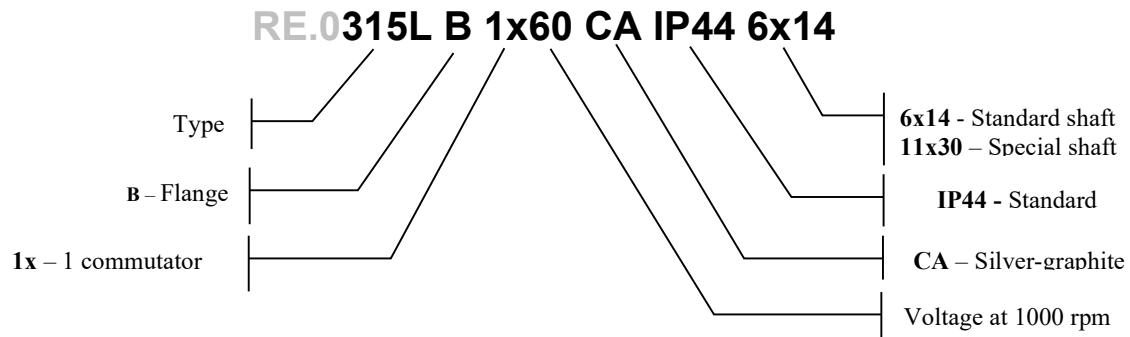
ELECTRIAL OPTIONS

DESCRIPTION	SYMB	UNIT	VALUES						
			Min.						Max.
E.M.F. at 1 000 rpm	E_n	V	7	10	20	30	40	50	60
Voltage gradient	C_v	V/rpm	0.007	0.010	0.020	0.030	0.040	0.050	0.060
Armature resistance	R_a	Ω	2.20	5	28	45	70	100	180
Max. thermal load	I_{th}	A	0.50	0.55	0.35	0.25	0.22	0.18	0.14
Max. allowed speed	n_a	Rpm	8 000	8 000	8 000	8 000	7 500	6 000	5 000

BRUSHES

GRADE	CODE	APPLICATION LIMITS	DIMENSIONS	NUMBER
CA – Silver-graphite		300 V		4

PRODUCT DESCRIPTION



When inquiring, please advise the serial number of the tachogenerator to be replaced.