RE.0315 L (Long Life)

Direct Current Tachometer generator



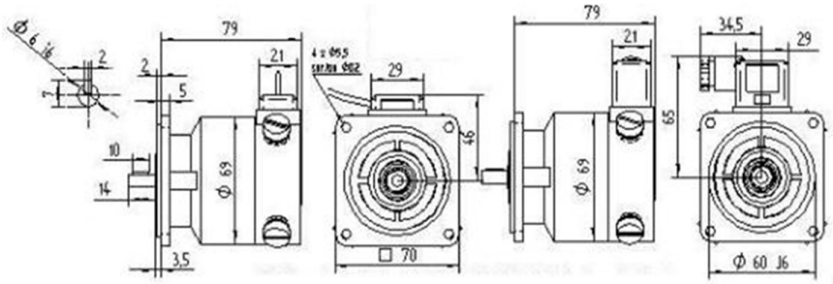
Destination :

- 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
Max. speed (mechanical)	n_m	8 000 rpm
Moment of intertia	J	0.62 Kg cm^2
No-load driving torque	Mr	0.4 N.cm
Max. radial shaft stress	F	0.3 (Ø 6)/1.0 (Ø 11) d N
Maximum E.M.F.	E_m	300 V
Maximum linearity error	ΔE	$\leq$ 0,15 % E_T
Overall ripple rate (peak to peak)	ΔE_c	$\leq$ 1 % E_c
Calibration precision	ΔE_o	±1.5 E_{To}
E.M.F. temp. drift - Not compensated - Compensated	ΔE_e	0.02 %/°C
Time constant	C_t	0.2 ms
*Filter: Time constant		1 ms
Load current		3 mA
Speed		3 000 rpm

DETAILS CONSTITUTIFS	
Insulation class	B (IEC 34-1)
Operating temperature	-20/+80 °C
Climatic protection	C_a (IEC 68-1)
Protection degree	IP 44 (IEC (34-5)
Direction of rotation	réversible
Excitation: Permanents magnet:	Alnico

Masse :	**1 kg**

CE

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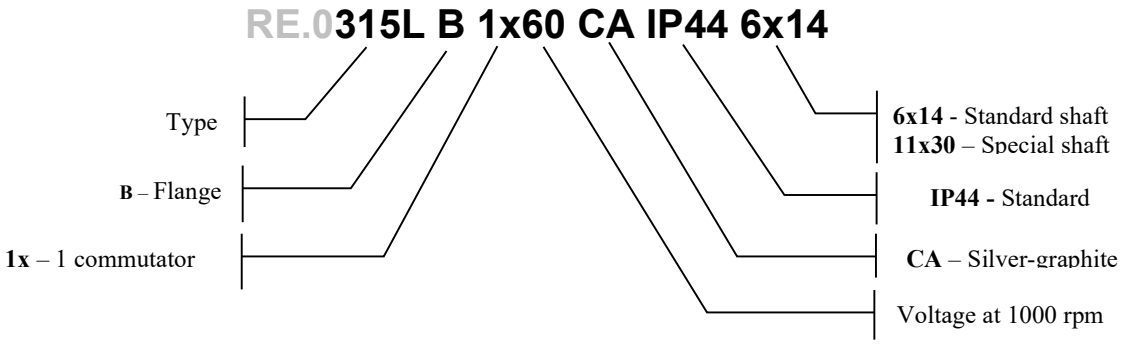
ELECTRIAL OPTIONS

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.

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