

TYPE RE .0315 L



GENERAL DATA

Designation	Symb	Unit	Value
Max. Speed (Mechanical)	n_m	tr/min rpm U/min	8000
Moment of inertia	J	Kg cm ²	0,62
No load driving torque	Mr	N.cm	0,4
Max. radial shaft stress	F	da N	0,3 (ø 6) / 1,0 (ø 11)
Max. E.M.F.	E_m	V	300
Max. linearity error	ΔE	% Et	$\leq 0,15$
Overall ripple rate (Peak to Peak)	ΔE_C	% E_C	≤ 1
Calibration Precision	ΔE_O	% E_{TO}	$\pm 1,5$
E.M.F. temp drift -- not compensated	ΔE_e	%C	0,02

Time constant	C_t	ms	0,2
* Filter : Time constant of filter		Ms mA	1
Load Current	I_c	tr / min	3
Speed	n	rpm U / min	3000
Insulation Class		IEC34 – 1	B
Operating Temperature		°C	-28 / +80
Climatic protection		IEC68 – 1	C _a
Protection degree		IEC34 – 5	IP 44
Direction of rotation : reversible			
Excitation : permanent magnets : Smco			
Weight		kg	1

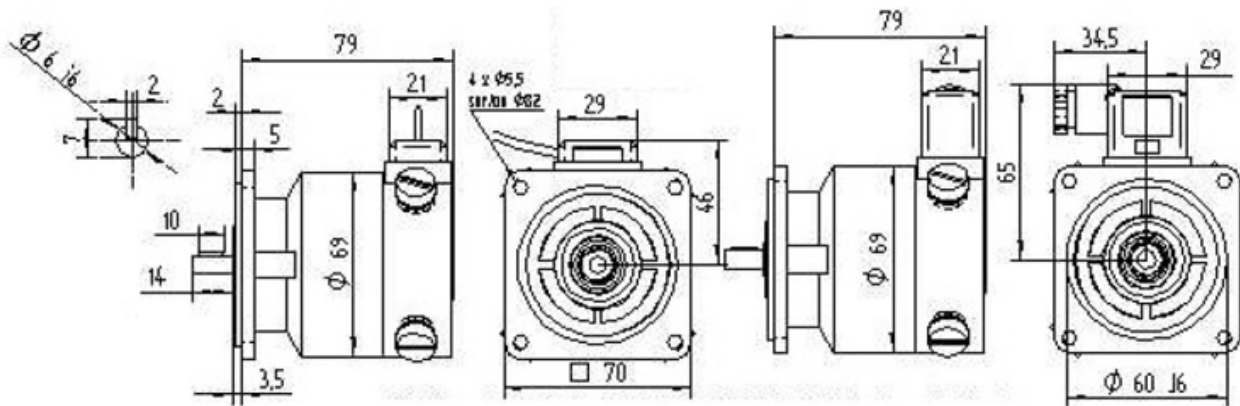
We reserve the right to modify technical features in the interest of technological advance

.DESTINATION

- Industrial Applications
- Speed Control and Regulation

DESCRIPTION

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



MECHANICAL OPTIONS

SHAFT ENDS AND BEARINGS				
	Mounting Side			Opposite Mounting Side
	D (mm)	L (mm)	Bearings	Bearings
Standard	6	11	12 x 28 x 8 ZZ	8 x 22 x 7 ZZ
Max.	14	30	12 x 28 x 8 ZZ	8 x 22 x 7 ZZ

MARKINGS AND POLARITY OF TERMINALS FOR COUNTER-CLOCKWISE ROTATION VIEWING THE MOUNTING FACE

A1 : +
A2 : -

ELECTRICAL OPTIONS

E.M.F. at 1000 rpm	E_n	V	7	10	20	30	40	50	60
Voltage gradient	C_v	V / rpm	0,007	0,01	0,02	0,03	0,04	0,05	0,06
Armature resistance	R_a	Ω	2,2	5	20	40	70	110	160
Max. thermal load	I_{th}	A	0,50	0,36	0,18	0,11	0,09	0,07	0,07
Max. allowed speed	n_a	rpm	8000	8000	8000	8000	7500	6000	5000

BRUSHES

No.	Dimensions	Grade	Application Limit	Ref.
	mm			
4	6 x 4 x 13	Silver Graphite Electro graphite	Max. Output voltage - 300 V	60 – 40 -CA 60 – 40 -EG