

DESTINATION

- Industrial application
- Control and regulation

DESCRIPTION

- DC tachogenerator derived from RE.0444 N- model
- Designed for the market of North America
- UL listed

TYPE
RE.0444 US

Mechanical options

Shaft ends and bearings

	Mounting side			Opposite mounting side		
	D (mm)	L (mm)	Bearings	D (mm)	L (mm)	Bearings
Standard	.3125"	77"	12 x 28 x 8 ZZ	.314"	-	8 x 22 x 7 ZZ

Options

- Sealing ring (IP 56)
- Flat shaft
- Key shaft

Markings and polarity of terminals (cables) for counter-clockwise rotation viewing the mounting face

1 collector		A1 : +	A2 : -
2 collectors	1. collector	1A1: +	1A2: -
	2. collector	2A1: +	2A2: -

Available options on 2nd shaft end

- Possible adaptation of different sensors

Electrical options

				Min.										Max.
E.M.F. at 1000 rpm.	E_n	V	1 coll. 2 coll.	6	20 2 x 20	30 2 x 30	40	50 2 x 50	60 2 x 60	80	100 2 x 100	120	150	200
Voltage gradient	C_v	V/rpm	1 coll. 2 coll.	0,006	0,020 2 x 0,02	0,030 2 x 0,03	0,040	0,050 2 x 0,05	0,060 2 x 0,06	0,080	0,100 2 x 0,1	0,120	0,150	0,200
Armature resistance	R_a	Ω	1 coll. 2 coll.	1,50	12 2 x 24	28 2 x 55	45	70 2 x 150	100 2 x 200	180	280 2 x 470	400	640	900
Max. thermal load	I_{th}	A	1 coll. 2 coll.	1,40	0,55 2 x 0,23	0,35 2 x 0,14	0,25	0,22 2 x 0,09	0,18 2 x 0,09	0,14	0,11 2 x 0,05	0,09	0,07	0,07
Max. allowed speed	n_a	rpm	1 coll. 2 coll.	12000	12000 12000	12000 12000	12000	12000 12000	10000 10000	7500	6000 6000	5000	4000	3000

Brushes

Number	Size	Grade	Application limits	Reference
4 or 8	3,1 x 4,1 x 12,5	Electrographite (EG)	Recommended for high speed and E.M.F. > 300 V	31 - 41 - EG
		Silver-graphite (CA)	STANDARD for normal use at E.M.F. < 300 V	31 - 41 - CA

Rev.: 01

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