D.C. Tacho-Generators

EG 63.2...
40063200

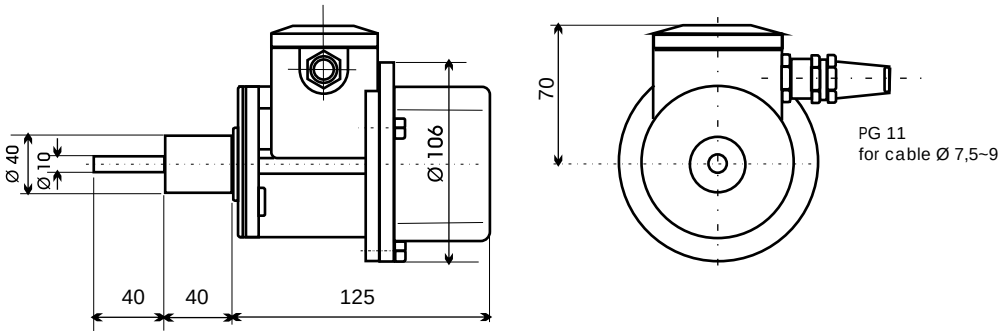
The d.c. tachogenerators are used as measuring instruments for values dependent on speed and direction of rotation in measurement and control techniques. They convert the speed at which they are driven into a direct voltage proportional to the speed. The polarity of the generated voltage depends on the direction of rotation of the driving motor.
The generators may be used in conjunction with moving coil indicators for remote bi-directional analogue measurement.

Technical Data

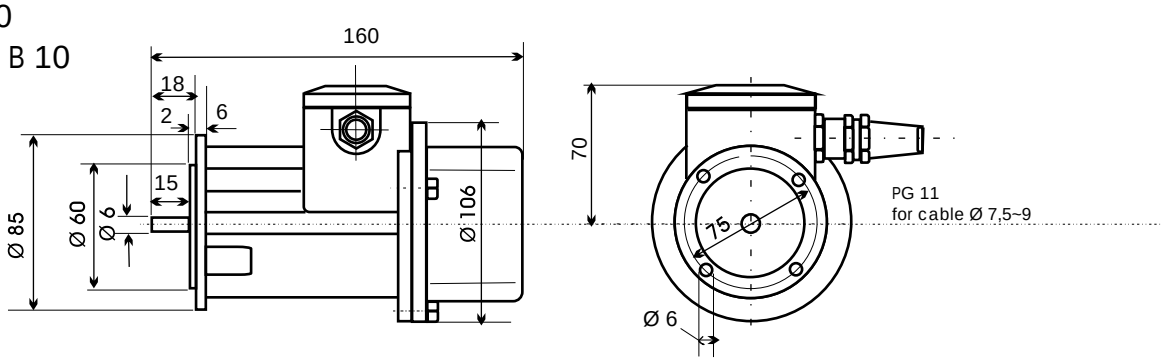
Max. output	1,8 W > 3000 rpm
Rated output per rpm	0,6 mW from 800 to 3000 rpm
Rated voltage tolerance	± 6 %
Linearity variation	<= 1.5 %
Direction of rotation	reversible
Reversing error	± 1 %
Superimposed a.c. voltage (eff)	<= 6 % from 200 to 3000 rpm
Enclosure	IP 55
Construction	B 10, z, f and fl
Number of slots	19
Number of discs	38
Number of poles	2
Weights	B 10 = 2,5kg z = 2,4kg f = 2,6kg fl = 2,7kg
Starting torque	2,5 Ncm
Carbon brushes	2 pairs carbon brushes, quality AG 35, 5X3X12, guarant operation for approx. 15,000 hours at 1500 rpm

TYPE	Voltage at 1000rpm	Max. speed	Min. load resistance	Armature resistance at 20°C	Rated current	Thermal limiting current
	volts	rpm	Ohm	Ohm	mA	mA
EG 63.2-1..	10	9000	170	5,4	60	180
EG 63.2-2..	20	9000	670	21	30	90
EG 63.2-3..	30	9000	1500	44	20	60
EG 63.2-4..	40	8000	2700	93	15	45
EG 63.2-5..	50	7000	4200	128	12	36
EG 63.2-6..	60	5800	6000	180	10	30

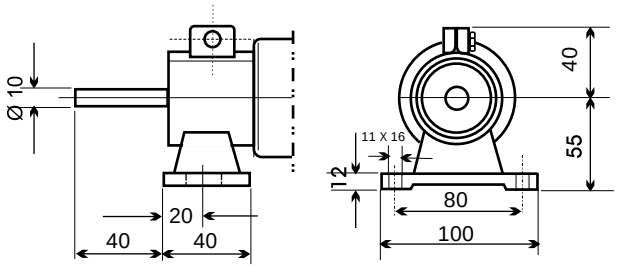
EG 63.2-z



EG 63.2-.B 10
Construction B 10



EG 63.2-.f



EG 63.2-.fl