

QUESTIONNAIRE

FOR THE CHOICE OF A SUITABLE BRUSH GRADE
(Text conforms with publication 136.3 of the I.E.C.)

NAME & ADDRESS of User Letter - Report - Reference

 Date :

● To permit the supply of the most appropriate brush would you please complete the following questionnaire. PLEASE NOTE - Where the question is followed by a straight line give the information asked for ● In the case of questions within a frame please strike out the inappropriate words ● The questions in blue are especially important.

1	Constructor of machine	30 RING MATERIAL
2	Constructor type	31 Are rings helically grooved
3	Serial number	32 Are rings inboard or outboard ...
4	Generator / Motor DC / AC / Rectified AC Reversible / Unidirectional	33 ARE RINGS TOTALLY DEVELOPED
5	Converters DC - AC or AC - DC	34 Are brushes lifted during normal running ?
6	SPEED (r.p.m.)	35 RING CURRENT DC / AC (A)
7	VOLTAGE (V)	36 Temperature in service Commutator / Ring °C
8	CURRENT (A)	37 SURFACE STATE COMMUTATOR OF RINGS
9	POWER (kW)	Good / polished / Matt Smooth / Worn / Grooved Uniformed Marked
10	DUTY	Marks Regular / Irregular Burnt
11	DUTY CYCLE (include % no load)	Colour Light / Medium / Dark
12	Number of phases	38 Date of last stoning of the Commutator / of the rings
13	Frequency (Hz)	39 NUMBER OF BRUSH ARMS PER COMMUTATOR
14	Number of main poles	40 NUMBER OF BRUSHES PER ARM
15	Interpoles	41 NUMBER OF RINGS
16	Compensation winding	42 NUMBER OF BRUSHES PER RING
17	Excitation Shunt / Separate / Series / Compound	43 BRUSH DIMENSIONS (mm) Fig. 1 2
18	Construction Machine open / Protected / Closed	t = a = r =
19	Ambient Temperature (°C)	44 ANGLE OF INCLINAISON α OF THE BRUSH Fig. 3 4 5 $\alpha =$°
20	Relative Humidity (%)	45 ANGLE OF TOP BEVEL β OF THE BRUSH Fig. 10 $\beta =$°
21	Oil Vapours	46 SPLIT BRUSHES Fig. 6 7 8 9
22	Corrosive gases - which ?	47 Are the brushes in the arms In Line / Staggered
23	Dust	and by how much ?
24	Vibration	48 Spring force acting on the brush daN (kg)
25	Axial play	49 MAKE AND GRADE OF BRUSH IN USE
26	DIAMETER OF COMMUTATOR OR RINGS (mm)	49 What is the average brush life hours
27	Usable length of commutator ...	50 WHAT PROBLEMS (IF ANY) ARE PRESENT ?
28	Width of rings (mm)
29	Number of bars
29	ARE MICAS RECESSED ?

