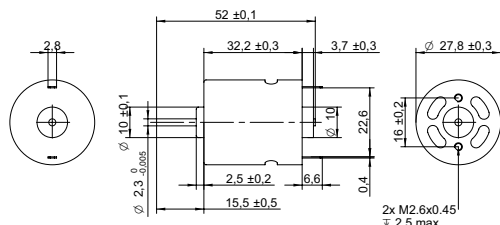


DRAWING (mm)



PHOTO



MODEL NO. DESIGNATION

MODEL

-

BRUSH TYPE

C: Carbon brush
M: Metal brush

ELECTRONIC COMPONENT

C: Capacitor
V: Varsistor

Example: MP5FN-2080-CVC

OPTIONS POWER SUPPLIES



● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

MOTOR DATA

C

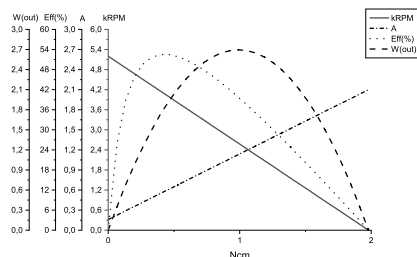
Model number		MP5FN-2080-CVC	MP5FN-12185-CVC	MS5FN-16120-CVC	MS5FN-07420-CVC	
Diameter	mm	27.8	27.8	27.8	27.8	
Length	mm	32.2	32.2	32.2	32.2	
Nominal voltage	V	6	12	12	24	●
No load current	A	0.16	0.08	0.1	0.04	●
Nominal current	A	0.5	0.2	0.5	0.1	●
Start/Stall current	A	2.1	0.7	1.7	0.2	●
No load speed	rpm	5200	4800	7600	4300	●
Nominal speed	rpm	4000	3600	5800	3100	●
Nominal torque	mNm	4	3.1	4.7	2.6	●
Start/Stall torque	mNm	20	14	23	10	●
Nominal power	W	1.7	1.2	2.9	0.9	●
Efficiency	%	53	53	54	45	

COMMON MOTOR DATA

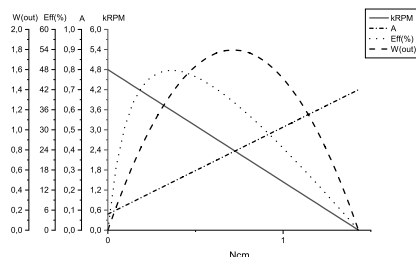
C

Shaft diameter	mm	2.3	●
Number of pole pairs		1	
Number of commutator segments		5	
Weight	g	76	
Service life	hrs	500 to 1000	
Operating temperature	°C	-10 to +60	●
Housing material		Galvanized steel	
Shaft material		High-carbon steel	●
Magnet material		Ferrite	
IP rating		IP40	
Motor insulation class		Level A	●

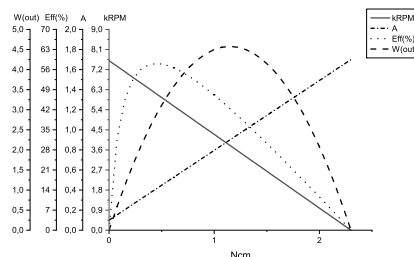
MOTOR DATA GRAPH - MP5FN-2080-CVC



MOTOR DATA GRAPH - MP5FN-12185-CVC



MOTOR DATA GRAPH - MS5FN-16120-CVC



MOTOR DATA GRAPH - MS5FN-07420-CVC

