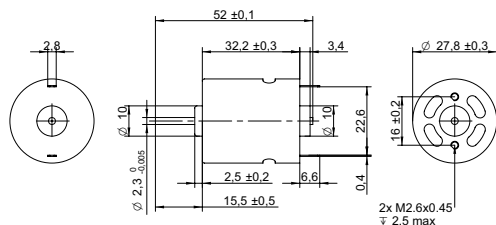


DRAWING (mm)



MODEL NO. DESIGNATION

MODEL	-	BRUSH TYPE	-	ELECTRONIC COMPONENT
		C: Carbon brush M: Metal brush		C: Capacitor V: Varsitor

Example: MS3FN-18180-CVC

PHOTO



OPTIONS POWER SUPPLIES

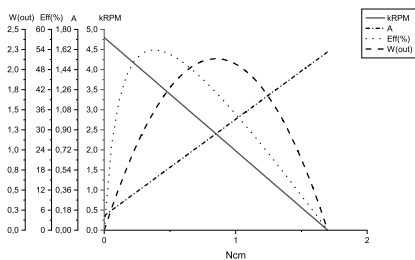


● C = customizations are offered on demand even for smaller quantities. Typical customizations are indicated with a green dot at column end. Please contact us for any customization request.

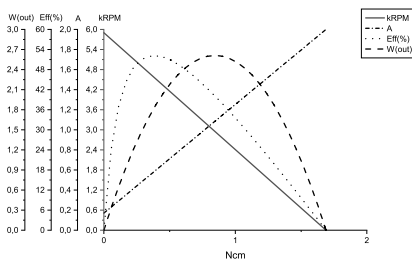
MOTOR DATA					C
Model number		MS3FN-18180-CVC	MS3FN-19145-CVC	MD3FN-3270-CVC	MP3FN-2885-CVC
Diameter	mm	27.8	27.8	27.8	27.8
Length	mm	32.2	32.2	32.2	32.2
Nominal voltage	V	6	6	7.2	9.6
No load current	A	0.13	0.17	0.55	0.45
Nominal current	A	0.4	0.6	2.1	2.4
Start/Stall current	A	1.6	2	10	11
No load speed	rpm	4800	5900	15000	16000
Nominal speed	rpm	3700	4300	12000	13000
Nominal torque	mNm	3.5	3.9	7.4	10
Start/Stall torque	mNm	17	17	43	59
Nominal power	W	1.3	1.8	9.3	14
Efficiency	%	59	53	61	62

COMMON MOTOR DATA					C
Shaft diameter	mm	2.3			●
Number of pole pairs		1			
Number of commutator segments		3			
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			●

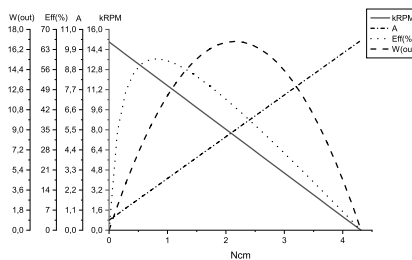
MOTOR DATA GRAPH - MS3FN-18180-CVC



MOTOR DATA GRAPH - MS3FN-19145-CVC



MOTOR DATA GRAPH - MD3FN-3270-CVC



MOTOR DATA GRAPH - MP3FN-2885-CVC

