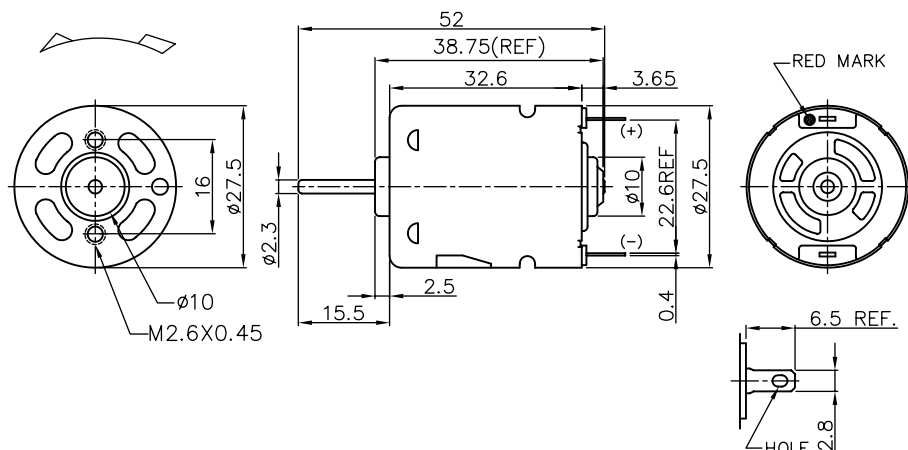


## M\_3FN series Ø27.5 mm 1.3-14 W

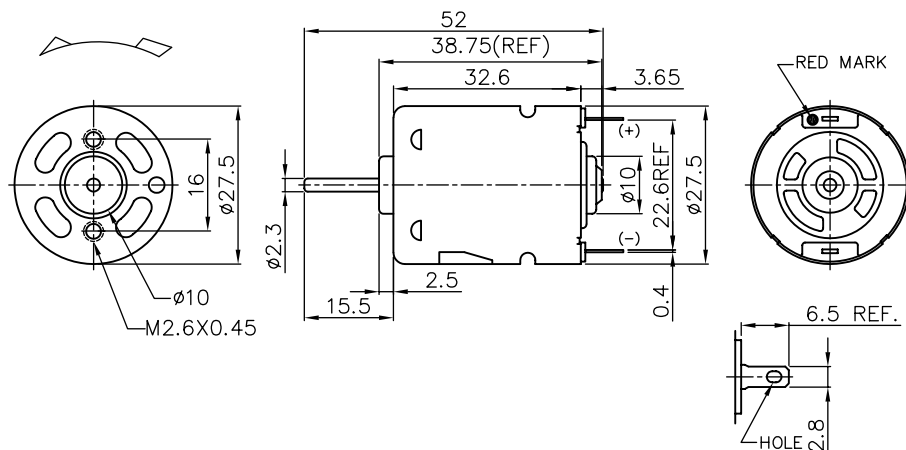


Model - ☐ - ☐  
 Carbon brush = C V = Varistor  
 Metal brush = M C = Capacitor

### MOTOR DATA

| Part name                    | MS3FN-18180-CVC | MS3FN-19145-CVC | MD3FN-3270-CVC | MP3FN-2885-CVC |
|------------------------------|-----------------|-----------------|----------------|----------------|
| Diameter (mm)                | 27.5            | 27.5            | 27.5           | 27.5           |
| Length (mm)                  | 32.6            | 32.6            | 32.6           | 32.6           |
| Nominal voltage (V)          | 6               | 6               | 7.2            | 9.6            |
| Nominal speed (rpm)          | 3700            | 4300            | 12200          | 12900          |
| Nominal torque (mNm)         | 3.5             | 3.9             | 7.4            | 10.4           |
| Nominal current A            | 0.4             | 0.6             | 2.1            | 2.4            |
| No load speed (rpm)          | 4750            | 5900            | 14800          | 15700          |
| No load current A            | 0.13            | 0.17            | 0.55           | 0.45           |
| Stall torque (mNm)           | 17.0            | 16.9            | 43.1           | 58.8           |
| Starting current (A)         | 1.6             | 2.0             | 10.4           | 11.1           |
| Output (W)                   | 1.3             | 1.8             | 9.3            | 14             |
| Efficiency (%)               | 59              | 53              | 61             | 62             |
| Operating temperature deg. C | -10..+60        | -10..+60        | -10..+60       | -10..+60       |

## M\_5FN series Ø27.5 mm 0.9-2.9 W



Model - ☐ - ☐  
 Carbon brush = C V = Varistor  
 Metal brush = M C = Capacitor

### MOTOR DATA

| Part name                    | MP5FN-2080-CVC | MP5FN-12185-CVC | MS5FN-16120-CVC | MS5FN-07420-CVC |
|------------------------------|----------------|-----------------|-----------------|-----------------|
| Diameter (mm)                | 27.5           | 27.5            | 27.5            | 27.5            |
| Length (mm)                  | 32.6           | 32.6            | 32.6            | 32.6            |
| Nominal voltage (V)          | 6              | 12              | 12              | 24              |
| Nominal speed (rpm)          | 4000           | 3600            | 5800            | 3100            |
| Nominal torque (mNm)         | 4.0            | 3.1             | 4.7             | 2.6             |
| Nominal current A            | 0.5            | 0.2             | 0.5             | 0.1             |
| No load speed (rpm)          | 5200           | 4800            | 7600            | 4300            |
| No load current A            | 0.16           | 0.08            | 0.10            | 0.04            |
| Stall torque (mNm)           | 19.8           | 14.3            | 23.0            | 10.1            |
| Starting current (A)         | 2.1            | 0.7             | 1.7             | 0.2             |
| Output (W)                   | 1.7            | 1.2             | 2.9             | 0.9             |
| Efficiency (%)               | 53             | 53              | 54              | 45              |
| Operating temperature deg. C | -10..+60       | -10..+60        | -10..+60        | -10..+60        |