



DOGA 311E - DC WIPER MOTOR WITH INTEGRATED DRIVE

Right angle worm gearbox with integrated ECU,
IP69K

311.E414.30.00



- 24Vdc
- Up to 6Nm
- Up to 63rpm
- Integrated drive - CANopen comms
- IP69K as standard

PRODUCT DESCRIPTION

The DOGA 311E series uses a brushed DC motor with worm gearbox and includes an **integrated ECU with CANopen connectivity**. The range is developed to provide an extremely compact, low noise and cost-effective solution to suit industrial applications requiring a combination motor and drive solution.

The standard hardened plastic worm wheel offers smooth, low noise operation and good performance, along with durability. IP69K is standard and covers even the harshest operational environments.

Supply voltage: 24Vdc – well suited to **battery powered** and **mobile applications**.

Torque output: >6Nm nominal, >18Nm starting – the motor a good choice for applications requiring **high start-up power**.

Speed output: 50rpm and 63rpm options

The integrated drive on the DOGA 311E offers:

CANopen communication (CiA301 / CiA302)

Digital input option

Speed control

Positional control

Protection from overload, over voltage, under voltage

Diagnostic functions

Typical applications include:

Agriculture

Building access

Care aid

Medical

Office equipment

Marine

General industrial automation

TECHNICAL DATA

| | |
|-----------------|-------|
| Current max | 10 A |
| IP class | IP69K |
| Max. torque | 18 Nm |
| Nominal current | 2,7 A |

| | |
|-----------------------|---------|
| Nominal speed | 63 rpm |
| Nominal torque | 4 Nm |
| Shaft diameter | 12 mm |
| Supply voltage | 24 V DC |
| Weight | 1,2 kg |