

# GRIPPING INNOVATION

## DPE Series Electric Parallel Grippers

### Beyond Pneumatics...

The **DPE Series** is the simplest and most durable electric gripper in the industry.

#### Simplicity:

- Plug & play, "light switch" operation
- No programming required, nothing to tune or adjust
- As simple as actuating a pneumatic valve for a pneumatic gripper
- Requires 24VDC, 3W continuous
- 4-wire input; power, ground & signals to "open" and "close"
- Multi-position sensing using external magneto-resistive sensors
- Lightweight for robotic applications

#### Durability:

- Tested to 30 million cycles
- Zero maintenance required...ever
- Lowest cost of ownership compared to either pneumatic or other electric grippers
- High reliability eliminates downtime
- Rugged rack and pinion synchronization & drive
- All electronics are built in

#### Tough Applications:

- 100 % duty cycle
- Powerful 90N [20 Lbs] grip force
- Long stroke; 25mm [0.98in]
- Fast actuation time; 0.25 seconds for full stroke
- Handles up to 120 parts per minute
- Long finger lengths up to 76.2mm [3.00 in]

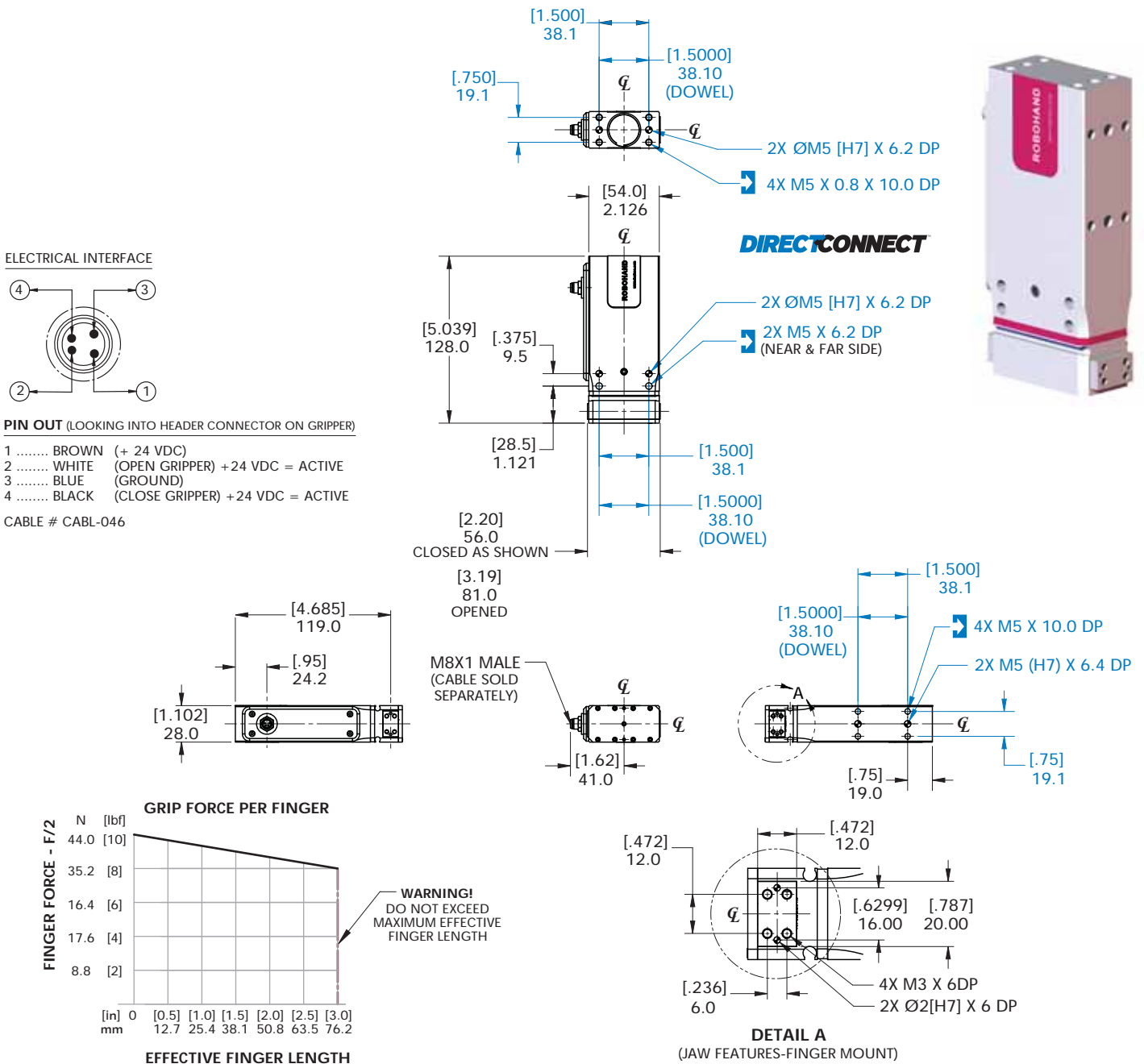


**E-Gripper**®



# DPE Series Electric Parallel Gripper

DPE Series with 25mm stroke and DirectConnect mounting



## Specifications:

Stroke: ..... 25mm [0.98"(in)]  
 Total Grip Force: ..... 90 N [20 lbf]  
 Repeatability: ..... ±0.025mm [0.001"(in)]  
 Accuracy: ..... ±0.051mm [0.002"(in)]  
 Actuation Time: ..... 250 ms  
 Temperature Range: ..... 5° ~ 60°C [41° ~ 140°F]  
 Power Requirement @ 100% duty cycle: ..... 3W  
 Voltage: ..... 24 VDC  
 Current - Peak: ..... 0.5 Amps Max  
 Current - Continuous: ..... 0.125 Amps  
 Protection Class: ..... IP 64  
 Weight: ..... 0.53 kg [1.16 lb]  
 Max Finger Length: ..... 76.2mm [3.00"(in)]

**Base Model: DPE-200-25**

**Power and Sensor Accessories** (Ordered separately)

CABL-046 ..... 4-wire Power and Signal Cable, 5m long  
 OHSP-017 ..... PNP Magneto-Resistive Position Sensor  
 OHSN-017 ..... NPN Magneto-Resistive Position Sensor  
 CABL-013 ..... Quick Disconnect Sensor Cable, 5m long