

Drives

PGD / PGD-Ai -Pulse Geared Drive-

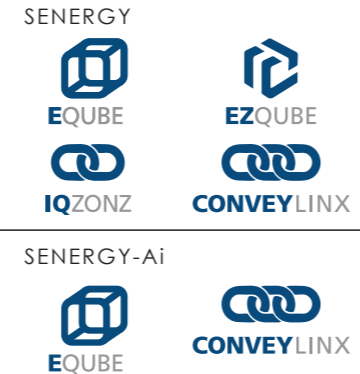


Product information

General information

- CE certified, RoHS compliant, IP54 rating
- ETL Certified to UL Standards (Optional)
- Mounting: M5 x 7 mm
- Shaft diameter: 16 mm
- Key: 5 x 5 x 25 mm
- Cable length: 600 mm (SENERGY motor) / 1000 mm (SENERGY-Ai motor)
*Contact us for extension cables
- Motor connector: JST (SENERGY motor) / M8-4pin (SENERGY-Ai motor)
- Operation: 0.5 sec ON / 0.5 sec OFF duty cycle (Minimum) or continuous within rated load

Compatible Control Technologies



Characteristics data

| Speed code | Gear ratio | Gear box | ECO mode | | | | BOOST & BOOST-8 mode | | | | | | | |
|------------|------------|----------|--------------------------|----------------|----------|-------------|----------------------|--------------------------|----------------|----------------|------------------|-------------|----------------|------------------|
| | | | Output shaft Speed (rpm) | Torque(in-lbf) | | Current (A) | | Output shaft Speed (rpm) | Torque(in-lbf) | | | Current (A) | | |
| | | | | Rated | Starting | Rated (max) | Starting | | Rated | BOOST Starting | BOOST-8 Starting | Rated (max) | BOOST Starting | BOOST-8 Starting |
| 67 | 67.222 | 3 stage | 8.6 ~ 86.7 | 39.1 | 215.9 | 2.5 | 3.0 | 8.6 ~ 62.7 | 71.1 | 281.5 | 320.1 | 3.5 | 5.0 | 8.0 |
| 45 | 45.00 | | 12.8 ~ 129.1 | 26.2 | 145.0 | | | 12.8 ~ 93.3 | 47.7 | 189.1 | 215.0 | | | |
| 33 | 33.00 | | 17.5 ~ 176.3 | 19.2 | 106.2 | | | 17.5 ~ 127.5 | 34.9 | 138.4 | 157.4 | | | |
| 27 | 27.00 | | 21.3 ~ 215.1 | 15.7 | 87.0 | | | 21.3 ~ 155.6 | 28.6 | 113.5 | 129.0 | | | |
| 18 | 18.3333 | 2 stage | 31.5 ~ 317.4 | 10.6 | 59.0 | 2.5 | 3.0 | 31.5 ~ 229.5 | 19.4 | 76.9 | 87.4 | 3.5 | 5.0 | 8.0 |
| 15 | 15.00 | | 38.4 ~ 387.2 | 8.7 | 48.3 | | | 38.4 ~ 280.0 | 15.9 | 63.0 | 71.6 | | | |
| 11 | 11.00 | | 52.5 ~ 529.0 | 6.4 | 35.4 | | | 52.5 ~ 382.5 | 11.6 | 46.1 | 52.4 | | | |
| 9 | 9.00 | | 64.0 ~ 645.3 | 5.2 | 29.0 | | | 64.0 ~ 466.7 | 9.5 | 37.8 | 43.0 | | | |

*Rated torque of BOOST-8 is the same values as BOOST.
*BOOST-8 mode is available only with the "High torque" series of EZ24 (EZ24HTB) and ConveyLinX (ConveyLinX HTF).

Technical data

| | ECO mode | BOOST mode | BOOST-8 mode |
|---------------------|-------------------------------|------------|--------------|
| Voltage | DC24V | | |
| Nominal output | 40W | 50W | 50W |
| Rated current | 2.5A | 3.5A | 3.5A |
| Starting current | 3.0A | 5.0A | 8.0A |
| Ambient temperature | 14 ~ 104°F (No condensation) | | |
| Ambient humidity | 10 ~ 90% RH (No condensation) | | |

Drive weight

| Gear box | Reduction ratio | Weight |
|----------|-----------------|--------|
| 3 stage | 67, 45, 33, 27 | 3.31 |
| 2 stage | 18, 15, 11, 9 | 2.65 |

Unit: lb

Dimensions (Metric)

