### Features

- **5.2kHz Speed Response**
- **Simplified Function Blocks**
- **Ripple Compensation**
- **Keypad Parameter Setting**
- **Network Connectivity**
- **Support Scalable Torque**
- **Support analog encoder, angle and velocity inputs to optimize machine performance**

### Model Description

**ED1 Series Servo Drive**

**Model: ED1/uni25A1-**

<table>
<thead>
<tr>
<th>Type</th>
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<th>Motor Power</th>
</tr>
</thead>
<tbody>
<tr>
<td>04</td>
<td>AC Servo Motor</td>
<td>400W</td>
</tr>
<tr>
<td>08</td>
<td>AC Servo Motor</td>
<td>800W</td>
</tr>
<tr>
<td>10</td>
<td>AC Servo Motor</td>
<td>1KW</td>
</tr>
<tr>
<td>12</td>
<td>AC Servo Motor</td>
<td>1.2KW</td>
</tr>
<tr>
<td>15</td>
<td>AC Servo Motor</td>
<td>1.5KW</td>
</tr>
<tr>
<td>20</td>
<td>AC Servo Motor</td>
<td>2KW</td>
</tr>
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**ESC – X X X X X X**

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**ED1/uni25A1-**

- Supports analog SIN/COS, EnDat and BiSS-C encoders.
- Built-in digital AqB and serial encoder interface for variety motors.
- Supports Mechatrolink-III, EtherCAT interfaces and ESC - X X X X X X models.
- Supported motors: Single or three phase.
- High speed response, faster settling and higher throughput.
- Supports Pulse commands (Linear/Yawing).
- Higher speed response, lower settling and higher throughput.
- Supports variety motors: Single or three phase.
- Inertia ratio: 125:1
- Variety inertia test bench: Variety inertia test bench.
- Mechanical resonance = 80Hz
- Mechanical vibration = 12Hz
- Inertia ratio = 30:1
- Time domain response: Mechanical resonance, vibration and resonance.
- Supports automatic gains tuning, filters adjustment, model containing linear and yawing control.
- Motor power is cut-off when STO is activated.
- To change.
- Servo loop gains are not necessary caused by motor cogging.
- Servo loop gains are not necessary. Delivers more smooth movement by reducing velocity ripple.
- HIWIN MIKROSYSTEM CORP.

**Image:**

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