ABB micro drive ACS250 with 600 V AC supply offers easy to use and compact solutions for general purpose low power applications, such as; screws, mixers, pumps, fans and conveyors. The key features include a built-in safe torque-off (STO), Modbus RTU and CANopen communication interfaces.
Supply connection

<table>
<thead>
<tr>
<th>Voltage</th>
<th>500 to 600 V +/- 10%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power range</td>
<td>1 to 20 hp (0.75 to 15 kW)</td>
</tr>
<tr>
<td>Frequency</td>
<td>48 to 62 Hz</td>
</tr>
</tbody>
</table>

Connections

<table>
<thead>
<tr>
<th>Voltage</th>
<th>3-phase from 0 to U_INP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency</td>
<td>0 to 500 Hz, 0.1 Hz resolution</td>
</tr>
<tr>
<td>Overload capacity</td>
<td>150% for 60 seconds</td>
</tr>
</tbody>
</table>

Motor control methods

- Vector control
- Built-in safe torque-off (STO)
- Built-in braking chopper in all types
- DIN rail mounting
- Pluggable control terminals
- Remote keypad available as an option

Supporting options

- Remote keypad (RCRP-01) provides easy cabinet installations
- Parameter upload/download tool (RCCS-01) for straightforward commissioning
- Relay output card (RCRO-01)
- UL Type 4X/IP66 frames for harsh environments up to 15 hp
- Disconnect switch for UL Type 4X/IP66 frames

Product highlights

- Easy to use, compact design
- High performance vector control
- Input voltage 500 to 600 V +/- 10%
- Built-in safe torque-off (STO) complies with EN62061 SIL level 2
- Built-in braking chopper in all types
- Built-in communication with Modbus RTU and CANopen® interfaces
- Rated for 150% overload for 60 sec as standard
- DIN rail mounting
- Pluggable control terminals
- Remote keypad available as an option

Part of ABB micro drives portfolio

The ACS250 drive is part of ABB’s complete micro drive range, which offers a solution for every need:

- Drives for simple to more complex machines
- Full voltage range from 110 to 600 V
- Enclosures IP20 and IP66
- Power range up to 20 hp

Product compliance

CE, UL, cUL, C-Tick, Gost

Environmental limits

- Degree of protection: UL Type Open/IP20/UL Type Open/IP20
- Ambient temperature: Operating -10 to 50 °C
- Relative humidity: 95% max (without condensation)

Output ratings

<table>
<thead>
<tr>
<th>P_HD kW</th>
<th>P_HD hp</th>
<th>I_in A</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.75</td>
<td>1</td>
<td>2.1</td>
</tr>
<tr>
<td>1.5</td>
<td>2</td>
<td>3.1</td>
</tr>
<tr>
<td>2.2</td>
<td>3</td>
<td>4.1</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
<td>6.5</td>
</tr>
<tr>
<td>5.5</td>
<td>7.5</td>
<td>9</td>
</tr>
<tr>
<td>7.5</td>
<td>10</td>
<td>12</td>
</tr>
<tr>
<td>11</td>
<td>15</td>
<td>17</td>
</tr>
<tr>
<td>15</td>
<td>20</td>
<td>22</td>
</tr>
</tbody>
</table>

3-phase AC supply, 500 to 600 V

For more information please contact your local ABB representative or visit:

www.abb.com/drives
www.abb.com/drivespartners

© Copyright 2013 ABB. All rights reserved
Specifications subject to change without notice.