EtherCAT communication driver

G-frame (200 V/400 V)

Mass: 13.5 kg

H-frame (200 V/400 V)

Mass: 21.0 kg

URL: Electric data of this product (Instruction Manual, CAD data) can be download from the following web site:
http://industrial.panasonic.com/ww/i_e/25000/motor_fa_e/motor_fa_e.html

Contact:
Panasonic Corporation, Appliances Company, Motor Business Division
1-1 Minato, Suwa-shi, Nagano, Nagano 029-0164, Japan
Tel: +81-747-67-1779
Fax: +81-747-67-2131

The contents of this catalog apply to the products as of May 2014.

* This product is for industrial equipment. Don’t use this product at general household.
* Printed colors may be slightly different from the actual products. Specifications and design of the products are subject to change without notice for the product improvement.
**EtherCAT communication driver** MINAS A5B series

### High-performance
- Frequency response: 2300 Hz
- Supports network communication "EtherCAT".
- High-Speed 100 Mbps
- Real-time auto tuning function, Anti-vibration filters are available.

### EtherCAT with many supported applications
- 7 control modes: SM, SMD, SM2, SM2(Synch), FreeRun (Non-synch)
- System-up possible with various slaves.
- Supports PC-based controller.

### Standards
- Smallest EtherCAT drive in market.
- Supports pc setup software "PANATERM"
- Passed Official EtherCAT Conformance Test.
- IEC safety I/F model available.①

### Applicable international safety standards
- RoHS
- UL
csp
- (CANOpen over EtherCAT)
- C-frame (100 V/200 V)

### Driver line-up

**Motor rated output**

<table>
<thead>
<tr>
<th>Motor rated output</th>
<th>MBDH</th>
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<td>50 W</td>
<td>5017.5</td>
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<td>100 W</td>
<td>132</td>
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<td>200 W</td>
<td>21.5</td>
<td>2.5</td>
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<td>170</td>
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<td>300 W</td>
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<td>400 W</td>
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<td>1000 W</td>
<td>21.5</td>
<td>2.5</td>
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<td>170</td>
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**AC100 V to 120 V**

- Single-phase: MADH
- 3-phase: MADH

**AC200 V to 240 V**

- Single-phase: MADH
- 3-phase: MADH

**AC380 V to 400 V**

- Single-phase: MADH
- 3-phase: MADH

### Symbols of part number

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<th>Symbol Frame</th>
<th>A</th>
<th>D</th>
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<td>Control mode: cap, pp, pm, hv, cav, dv, ov, dv</td>
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<td>Sm method: 1 to 14, 17 to 30, 33, 34, 35, 37</td>
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<td>Minimum cycle time: 250 µs</td>
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### Dimensions of Driver

#### A-frame (100 V/200 V)

- Mass: 0.6 kg
- Rack mount type (Standard)

#### B-frame (100 V/200 V)

- Mass: 1.0 kg
- Rack mount type (Standard)

#### C-frame (100 V/200 V)

- Mass: 1.6 kg
- Rack mount type (Standard)

#### D-frame (200 V/400 V)

- Mass: 1.9 kg
- Rack mount type (Standard)

#### E-frame (200 V/400 V)

- Mass: 2.7 kg
- Rack mount type (Standard)

#### F-frame (200 V/400 V)

- Mass: 4.7 kg
- Rack mount type (Standard)

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① Supported by special specification. ECD16005-2 STO, ECD15008-SL2.