

HB-510

ZPA Hybrid Driver Card- 9 pin connector

Applicable Models: PM486FE, PM486FS, PM486FP, PM570FE, PM605FE, PM635FS

PNP output - HB-510P; NPN output - HB-510N
Must specify when ordering

Operation

- Continuous or intermittent duty
- Minimum cycle: 1s ON; 1s OFF
- Do not exceed 150% of no-load speed

Protection

- Thermal overload 185°F (85°C) on PCB
- 5A fuse to power supply
- Diode for protection from incorrect wiring

Environment

- Ambient temperature 32~104°F (0~40°C)
- < 90% relative humidity (no condensation)
- No corrosive gases
- Vibration < 0.5G

Features

- 3 LEDs to identify type of error and number of occurrences
- Dynamic brake control
- Stable speed function to ensure articles of different weights travel at the same rate
- Variable speed control by rotary switch or by external voltage input for up to 10 speeds
- Direction control by onboard DIP switch or external signal input
- Logic for general zero pressure accumulation (ZPA) control is built in
- Direct connection for photo eye to power it and receive its output signal
- Easy connection between adjacent HB-510's with communication cable to simplify wiring
- Flexible Zone Recognition (patented) to handle long articles which simultaneously block multiple sensors
- Available for rollers with built-in brakes, HB-510B (10 pin connector)
- Available for rollers in low temp. environments, HB-510(P)(N)-LT
- Includes mounting hardware and wiring connectors

Connectors for power and control are:

Power: WAGO #734-102 (Included)

Sensor: WAGO #733-103 (Included)

Optional External Control: WAGO #733-105 (Not Included)

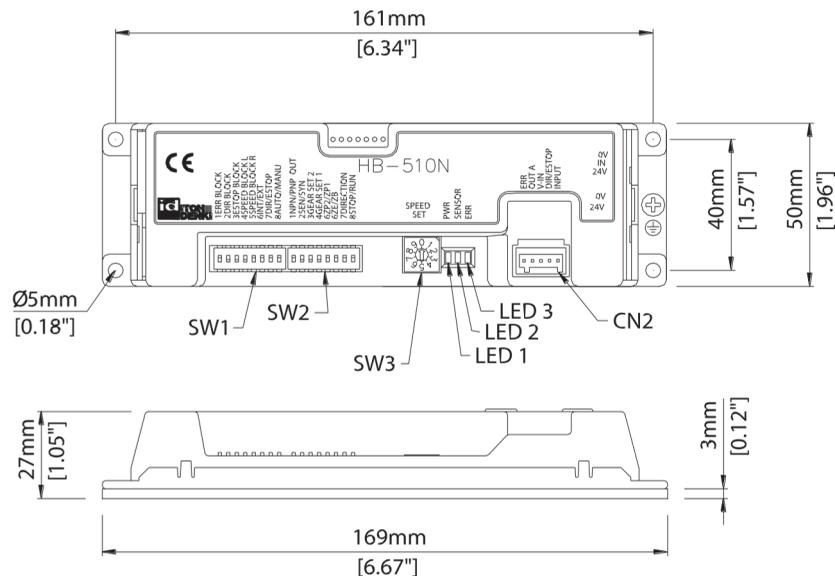
Available Options



Low Temp



Brake



HBM-604B-UL

2 Zone ZPA Hybrid Driver Card- 10 pin connector

Applicable Models: PM486FE, PM486FS, PM486FP, PM570FE, PM605FE, PM635FS

PNP output - HBM-604BP-UL; NPN output - HBM-604BN-UL
Must specify when ordering

Operation

- Continuous or intermittent duty
- Minimum cycle: 1s ON; 1s OFF
- Do not exceed 150% of no-load speed

Protection

- Thermal overload 185°F (85°C) on PCB
- Two 7A fuses for each motor
- Input power protected against reversed polarity

Environment

- Ambient temperature 32~104° F (0~40°C)
- < 90% relative humidity (no condensation)
- No corrosive gases
- Vibration < 0.5G

Features

- Controls up to 2 Power Mollers (brake and non-brake models)
- 2 available sensor connections that power and receive the output from sensor
- Dynamic brake control
- Stable speed function to ensure articles of different weights travel at the same rate
- Variable speed control by rotary switch
- Motor direction control by onboard DIP switch
- Logic for general Zero Pressure Accumulation (ZPA) control is built in
- Flexible Zone Recognition to handle long articles which simultaneously block multiple sensors
- Easy connection between adjacent HBM-604B-ULs with communication cable to simplify wiring
- HBM-604B-UL can handshake signals to Itoh Denki IB-E03B and IB-E04F driver cards

Connectors for power and control are:

Power: WAGO #231-302/ 026-000 (Included)

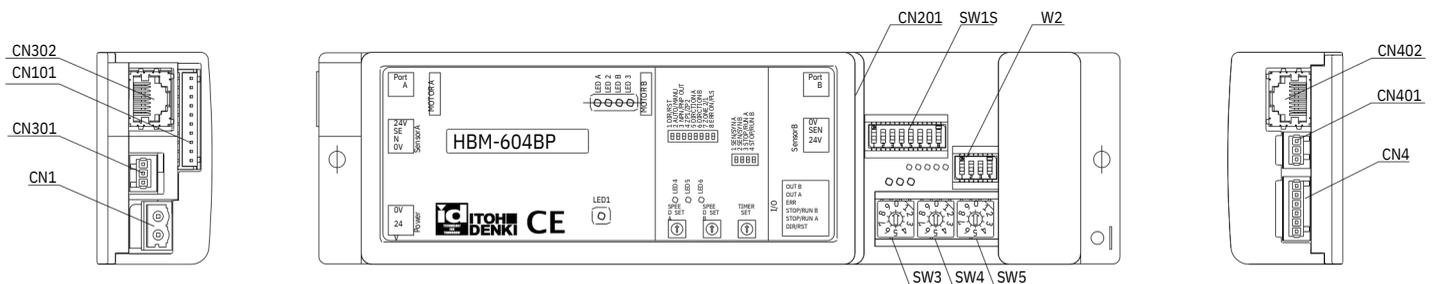
Sensor: WAGO # 733-103 (Included)

Optional External Control: WAGO #733-106 (Not Included)

* Non brake model rollers must use 10-pin motor connector



HBM-604B-UL



HBK-608F

2 Zone ZPA Hybrid Driver Card- 12 pin connector

Applicable Models: PM486FH, PM570KT, PM635KT

PNP output - HBK-608FP; NPN output - HBK-608FN
Must specify when ordering

Operation

- Continuous or intermittent duty
- Minimum cycle: 1s ON; 1s OFF
- Do not exceed 150% of no-load speed

Protection

- Thermal overload 185°F (85°C) on PCB
- 2 10A fuses for each motor
- Protection from incorrect wiring (reverse polarity)

Environment

- Ambient temperature 32~104°F (0~40°C)
- < 90% relative humidity (no condensation)
- No corrosive gases
- Vibration < 0.5G

Features

- Controls up to 2 Power Mollers
- 2 available sensor connections that power and receive the output from sensor
- Variable speed control by rotary switch
- Direction control by onboard DIP switch or external signal input
- Logic for general Zero Pressure Accumulation (ZPA) control is built-in
- Flexible Zone Recognition to handle long articles which simultaneously block multiple sensors
- Easy connection between adjacent HBK-608Fs with communication cable to simplify wiring

Connectors for power and control are:

Power: WAGO #231-302/026-000 (Included)

Sensor: WAGO #733-103 (Included)

Optional External Control: WAGO #733-106 (Not Included)

