

Material/Finish

	EPU-210-A-BL	EPU-210-B-BL	EPU-210-A-BK	EPU-210-B-BK
Main Body	Nylon 6 (Blue)	Nylon 6 (Blue)	Nylon 66 (Black)	Nylon 66 (Black)
Output Shaft	SUS304	SUS304	SUS304	SUS304
Cable Clamp	Brass	Brass	Brass	Brass
Power/Signal Cable	Oil Resistant PVC (Matte Black)	Oil Resistant PVC (Matte Black)	Oil Resistant PVC (Matte Black)	Oil Resistant PVC (Matte Black)
Connector		Zinc Alloy Nickel Plating		Zinc Alloy Nickel Plating
Hex Socket Set Screw	SUSXM7	SUSXM7	SUSXM7	SUSXM7

- Does not contain any of the 10 chemicals restricted under the RoHS Directives.

Part Number	Mass (g)
EPU-210-A-BK	301
EPU-210-A-BL	301
EPU-210-B-BK	335
EPU-210-B-BL	335

Precautions for Use

- For details on the mounting and setting methods, please refer to the Instruction Manual. Be sure to read the "Safety Precautions" and "Precautions on EMC" in the Instruction Manual before use. The Instruction Manual can be downloaded from the NBK website.
- Countries and regions where this product is available are Japan, the US, Canada, Mexico, China, Taiwan, South Korea, and Europe*1. When used in combination with other products or with the customer's existing systems, equipment, etc., confirm independently that it is compliant with the standards, laws, and/or regulations of the country of use.

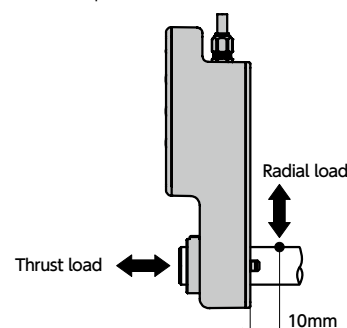
*1: Only the black (-BK) model can be used in Europe.

Performance

Power Source Voltage	24 VDC \pm 10%
Current Consumption	Waiting: 30 mA Rated: 0.6 A Max.: 1 A
Rated Output	5 W
Rated Rotational Frequency	60 \pm 10 rpm
Rated Torque	0.8 N \cdot m
Continually Usable Time	1 Minute or Less*1
Output Shaft	Radial Load: 19.6 N*2 Thrust Load: 19.6 N*2
Output Shaft Retention Torque	0.7 N \cdot m*3
Stop Accuracy	\pm 5'
Input	Wired Communication: RS-485 (Modbus RTU)
IP Protection Class	IP65
Operating Environment	Temperature: -5°C to 50°C (no freezing) Humidity: 20% RH to 85% RH (no condensation) Pollution Degree: 3 Altitude: 2000 m or Less Above Sea Level

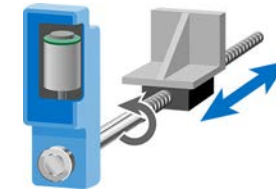
*1: Let cool for 10 minutes or so after continuous use.

*2: Output shaft max. allowable load



*3: Values are for reference only. They are not guaranteed values.

- The built-in motor rotates the feed screw, grasping the current position via the encoder and stopping at the target position. Positioning is automated with the feed screw.



- Because direct connection to hosts such as PCs and PLCs is possible for control, a dedicated transceiver is not required.*1

*1: When using a PC for control, the dedicated software **MOD-COM** is required. The dedicated software is available free of charge. Please download from the NBK website. (https://www.nbk1560.com/products/mechatronics/positioning_unit/download/mod-com/) Based on the dedicated software functions, a maximum of 1,000 types of setups can be registered.

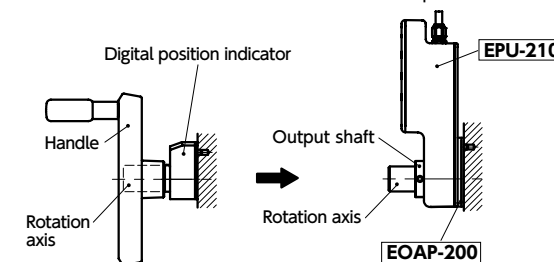
- Setting is possible via button operation on the main body, enabling single-unit use without connection to a host. The 7-segment display enables confirmation of the current position and target position.



- Batch control of up to 32 units is possible.*2

*2: When connecting multiple units, the use of the separately sold repeater hub **EOAP-200** (\rightarrow P.xxxx) enables easy wired connection and reduces wiring work.

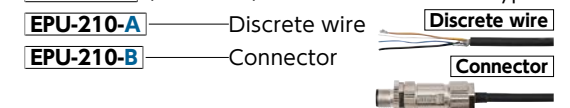
- Mounting can be completed simply by replacing the installed operation handle with **EPU-210**. Compared with the use of a combined handle and indicator, it is thinner and more compact.



- IP65 dust-proof and waterproof structure. It can be used safely even in environments where it may be exposed to dust or water.
- The connection method is RS-485 (Modbus RTU).



- Cable terminal specifications can be selected by the product code. When using the repeater hub **EOAP-200** (\rightarrow P.xxxx), select the connector type.



Related Products

Repeater hubs **EOAP-200** are available to enable easy wired connection and reduce wiring work.



When replacing a digital position indicator with **EPU-210**, **EOAP-200** dedicated mounting plates are available to make use of the existing machine mounting holes.



EOCL-200 dedicated collars enable the output shaft bore diameter to be changed to match the rotation shaft.



High torque adapters **EOAT-200** are available to amplify rated torque in locations requiring high torque.



Part number specification

EPU-210-B-BL

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Available Area : Japan, the US, Canada, Mexico, China, Taiwan, South Korea, and Europe*1

*1: Only the black (-BK) model can be used in Europe.