

## Specifications

Molding Pressure Conversion Module  
Relay Box

MPC-304

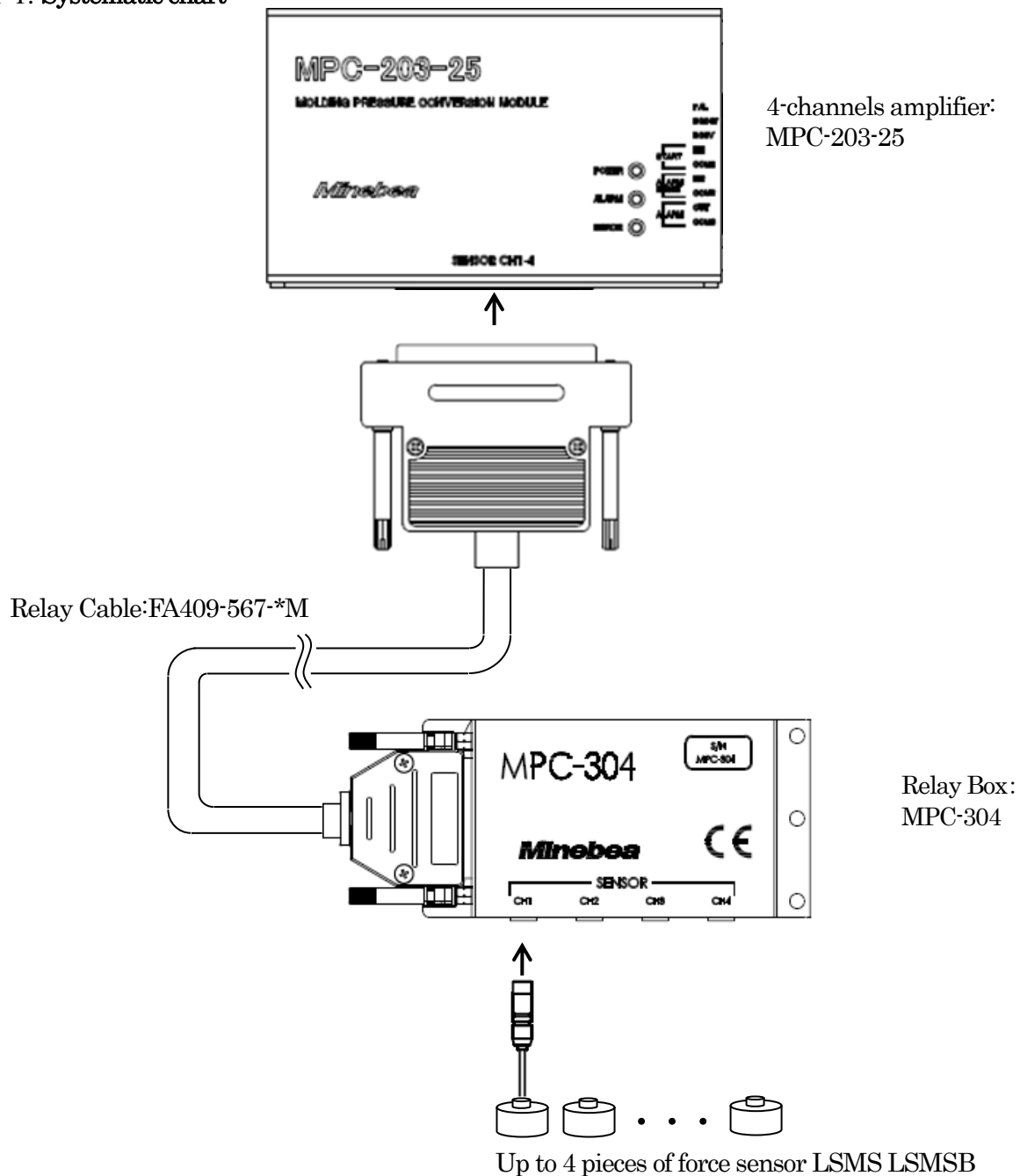
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### 1. General

This unit is used when wiring the force sensor LSMS embedded in the mold to the molding pressure conversion module MPC-203-25. A dedicated cable FA409-567- \* M is required to connect to the MPC-203-25.

#### 1-1. Systematic chart



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### 2. General Specification

- Operating temperature/humidity range
 

Temperature	0 °C ~ 70 °C (When magnet is not used. 0 °C ~ 100 °C)
Humidity	85 %RH or less (Non Condensing)
- Stored temperature range -10 °C ~ 70 °C (When magnet is not used. -10 °C ~ 100 °C)
- Vibration resistance 10 ~ 55 Hz double amplitude 1.5 mm  
2 hours for each direction of X, Y or Z.
- Outline dimensions (W)120mm x (H)60 mm x (D)35.4 mm (Excludes protruding parts.)
- Weight Approx. 300 g (Include magnet.)
- Material of case SUS430
- Applicable transducer LSMS-S06 series, LSMSB series
- Applicable amplifier MPC-203-25

### 3. Accessories

- Instruction manual 1 pad

### 4. Relay Cable (Options)

#### 4-1. FA409-567

- Model
 

FA409-567-2M	(Cable length 2m)
FA409-567-5M	(Cable length 5m)
FA409-567-10M	(Cable length 10m)
- Operating temperature/humidity range
 

Temperature	0 °C ~ 100 °C (Connector on amplifier side 0 °C ~ 50 °C)
Humidity	85 %RH or less (Non Condensing)
- Stored temperature range 0 °C ~ 50 °C  
(Because operation temperature range of the connector on amplifier side is up to 50°C.)
- Cable outer diameter Approx. 7.1mm
- Minimum bending radius 50mm

#### 4-2. FA409-541

- Model
 

FA409-541-2M	(Cable length 2m)
FA409-541-5M	(Cable length 5m)
FA409-541-10M	(Cable length 10m)
- Operating temperature/humidity range
 

Temperature	0 °C ~ 100 °C (Connector on amplifier side 0 °C ~ 50 °C)
Humidity	85 %RH or less (Non Condensing)
- Stored temperature range 0 °C ~ 50 °C  
(Because operation temperature range of the connector on amplifier side is up to 50°C.)
- Cable outer diameter Approx. 8.3mm
- Minimum bending radius 50mm



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### 6. Conformity standard

- This instrument has suited the following standard.

EN61326-1: 2013

[Electrical equipment for measurement, control, and laboratory use - EMC requirements]  
[Immunity test requirements for equipment intended for use in industrial locations]

EN50581: 2012

[Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances] (RoHS Directive)

To meet the above-mentioned standards, the usage conditions of the entire system including this unit are specified as follows:

#### 6-1. Power supply

- Be sure to use "CE mark compliant product" as DC 24 V power supply for the Amplifier MPC-203-25

#### 6-2. Cable

- Use the shielded cable other than the power cable.
- Mount the provided ferrite core to USB cable as shown in [5-2-4. USB connection] of the instruction manual of MPC-203-25.

#### 6-3. Shield processing

- Connect the shield cable of I/O with the protective ground terminal.
- Connect the shield cable of V-OUT with F.G. terminal.
- Ground the shield of the opposite side of the I/O cable and the V-OUT cable. (Both ends grounding)

#### 6-4. Grounding

- Make a single ground for the Amplifier MPC-203-25 with the protective ground terminal on the rear panel.

\* Specifications and outline dimensions and so on which have printed may subject to change for the purpose of improvement without notice.