

# MG Co., Ltd.

## MECHATROLINK-III REMOTE I/O R7 Series

### Features

- Compact, all-in-one modules
- Max. 4 points of analog or 16/32 points of discrete I/O signals
- High-speed analog I/O modules are also available.
- Removable terminal blocks make the module replaceable without disconnecting wiring.
- Zero adjustment and other settings can be handled by message commands. (Message commands may not be usable for all models.)



### Model No. Identification

MODEL	FUNCTION	POWER / I/O CONNECTION
R7G4FML3-6-DA16	16-point contact input (NPN/PNP)	M3 screw terminal
R7K4FML3-6-DA32	32-point contact input (NPN/PNP, external excitaion 24V)	M3 screw terminal
R7K4FML3-6-DA32-1	32-point contact input (NPN/PNP, external excitaion 12V)	M3 screw terminal
R7G4FML3-6-DC16A	16-point transistor output (NPN)	M3 screw terminal
R7G4FML3-6-DC16B	16-point transistor output (PNP)	M3 screw terminal
R7K4FML3-6-DC32A	32-point transistor output (NPN, external excitaion 24V)	M3 screw terminal
R7K4FML3-6-DC32A1	32-point transistor output (NPN, external excitaion 12V)	M3 screw terminal
R7K4FML3-6-DC32B	32-point transistor output (PNP, external excitaion 24V)	M3 screw terminal
R7F4HML3-D-DAC32A	16-point contact input (NPN/PNP) / 16-point transistor output (NPN)	Tension clamp terminal / MIL connector
R7F4HML3-D-DAC32B	16-point contact input (NPN/PNP) / 16-point transistor output (PNP)	Tension clamp terminal / MIL connector
R7G4HML3-6-SV4	4-point DC voltage/current input (isolated)	M3 screw terminal
R7G4HML3-6-SVF4	4-point high speed DC voltage/current input (isolated, conversion rate 200 $\mu$ s/4 chs)	M3 screw terminal
R7G4HML3-6-TS4	4-point thermocouple input (isolated)	M3 screw terminal
R7G4HML3-6-LC2	2-point strain gauge input (message command)	M3 screw terminal
R7G4HML3-6-LC2A	2-point Nireco tension sensor input (Nireco MB/MG tension sensor, message command)	M3 screw terminal
R7G4HML3-6-STYVS1	1-point self-synch input / 1-point DC voltage/current output (message command)	M3 screw terminal
R7G4HML3-6-PA1J	1-point rotary encoder speed/position input (RS-422 line driver)	M3 screw terminal
R7G4HML3-6-PA1A1	1-point rotary encoder speed/position input (5V open collector)	M3 screw terminal
R7G4HML3-6-PA1A4	1-point rotary encoder speed/position input (12V open collector)	M3 screw terminal
R7G4HML3-6-PA1A7	1-point rotary encoder speed/position input (24V open collector)	M3 screw terminal
R7G4HML3-6-YVF4	4-point high speed DC voltage output (isolated)	M3 screw terminal
R7G4HML3-6-YSF4	4-point high speed DC current output (isolated)	M3 screw terminal

### MECHATROLINK specifications

	M-III
Profile	Standard I/O
Data size	16byte
Transmission cycle	125 $\mu$ s, 250 $\mu$ s, 500 $\mu$ s, 1 to 64ms (1-ms increments)

### Contact Information

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