

OMRON Corporation

OMNUC G5 Series AC Servo Drivers

R88D-KN□-ML2

Features

Preeminent Servo performance: High-speed response, High-speed rotation, and High-accuracy control. Contribute to machine performance and productivity improvement.

- Industry Top-class Tracking Performance.
 - Speed Response Frequency of 2 kHz.
 - Realtime Autotuning Function shortens the stabilization time in lowrigidity systems as well as high-rigidity systems.
- Offer solution for a wide variety of applications.
 - Comes with IEC61800-5-2 (STO) function as a standard function.
 - External encoder I/F for full-closing control



R88D-KN□-ML2

Specifications

Item		Specifications
MECHATROLINK communications	Protocol	MECHATROLINK-II
	Node address setting	41 to 5F hex
Command method	Operation specifications	Position, speed, or torque control via MECHATROLINK-II communications
	Command inputs	MECHATROLINK-II commands
Position control functions	Acceleration/deceleration functions	First step asymmetric linear acceleration/deceleration, moving average acceleration/deceleration
I/O signals	Sequence inputs	Signal allocation can be changed
	Fixed outputs	Alarms
Sequence outputs	Signal allocation can be changed	Servo ready completed output (READY), Brake interlock output (BKIR), Positioning Completion Output 1 (INP1), Positioning Completion Output 2 (INP2), Motor Rotation Speed Detection Output (TGON), Torque Limiting Output (TLIMIT), Zero Speed Detection Output (ZSP), Speed Conformity Output (VCMP), Warning Output (WARN1 and WARN2), Position Command Status Output (PCMD), Speed Limiting Output (VLIMIT), Alarm Clear Attribute Output (ALM-ATB), Speed Command Status Output (VCMD)
	Other specifications	Output voltage: +/-10VDC Built-in analog monitor connector to monitor speed, torque, or other command signals
Communications	Connected device	Personal computer
	Functions	Status display, user constant settings, monitor display, alarm traceback display, and jogging

MECHATROLINK specifications

		M-I	M-II	
		17-byte	17-byte	32-byte
Command	Servo	-	-	×
Transmission cycle				1ms to 4ms

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