

IO Modules Model Number

R3

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16

16-

XXX

Series

SC	Economic
PM	General
R3	Ultra-thin

I/O Type

Blank	Digital
A	Analog
E	Encoder
T	Temperature

Input Channels

00	No channel
16	16 channels
32	32 channels

Output Channels

00	No channel
16	16 channels
32	32 channels

I/O Feature

N	NPN	R	Relay
P	PNP	D	Differential
I	Current	S	Single-ended
V	Voltage		

Terminal

Blank	Spring Type Terminal
1	MIL terminal
2	Fujitsu terminal

Specifications

Module	Model	Description
Coupler	R3EC	EtherCAT communication coupler
	R3PN*	ProfiNET communication coupler
	R3EIP*	Ethernet/IP communication coupler
Relay power module	R3-PS02A*	DC24V voltage input, 2A current output
Digital input module	R3-1600	16 channels digital (NPN/PNP)input module
	R3-3200*	32 channels digital (NPN/PNP)input module
Digital output module	R3-0016-N	16 channels digital(NPN)output module
	R3-0016-P	16 channels digital(PNP)output module
	R3-0032-N*	32 channels digital(NPN)output module
	R3-0032-P*	32 channels digital(PNP)output module
Digital I/O module	R3-0008-R*	8 channels digital(relay)output module
	R3-0808-N	8 channels digital (NPN/PNP)input 8 channels digital(NPN)output module
	R3-1616-N*	16 channels digital (NPN/PNP)input 16 channels digital(NPN)output module
Analog module	R3-A0400-IV	4 channels analog (current/voltage)input module
	R3-A0004-IV	4 channels analog (current/voltage)output module
Temperature module	R3-T0400-TC*	4 channels (thermocouple)input temperature module
	R3-T0400-TR*	4 channels (thermal resistance)input temperature module
Encoder module	R3-E0200-D*	2 channels (differential)input encoder module
	R3-E0200-S*	2 channels (single end)input encoder module
Communication module	R3-RS02-485*	2 channels (RS485) serial communication module
Drive module	R3DM-ST/R3CM-ST*	Stepper Drive Modules
	R3-SVD*	Servo Drive Modules

Note: "*" indicates upcoming release, please stay tuned.

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R3 Series

Ultra-thin Remote IO Modules

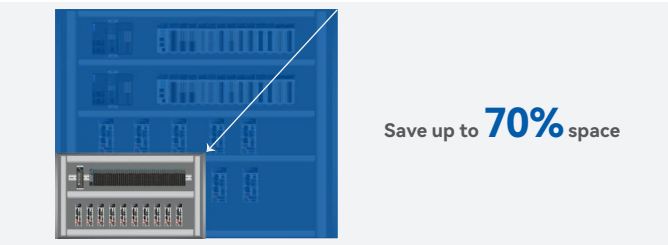


EtherCAT[®] EtherNet/IP[™] PROFI[®]NET[™] CE

Features

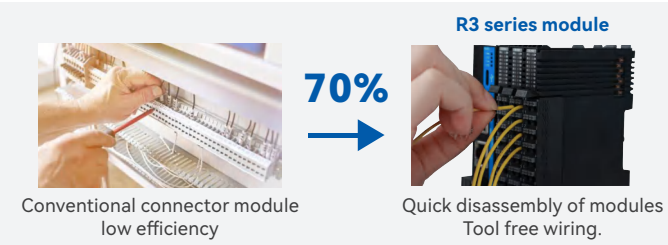
Space Saving

- 12mm ultra-thin thickness, standard 100mm height.
- Coupler as thin as 25mm.



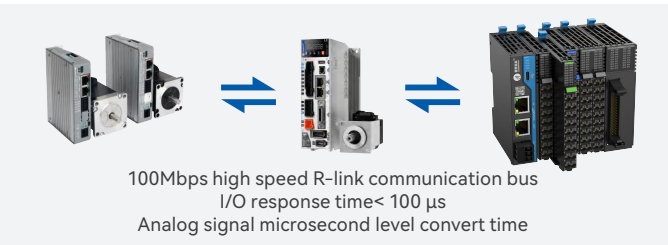
Improve Efficiency

- Self-locking terminal, easy to plug and unplug.
- Quick disassembly of modules, tool free wiring.



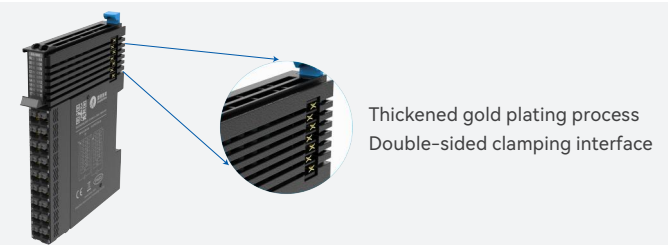
Excellent Performance

- More than 30 module categories, suitable for various systems.
- Expandable up to 64 modules, microsecond level data response.



High Stability

- 100M back-plane bus.
- Overvoltage/current, short circuit protection.
- Power supply anti reverse connection.



- The R3 series ultra-thin modules come in over 30 categories, serving as connectors between sensors and actuators in diverse scenarios of intelligent manufacturing;
- Achieve rapid equipment debugging, simple on-site maintenance, and saving manufacturing time.

