

Toward Ultimate Space Efficiency: New Additions to the Remote I/O R8 Series

Introducing I/O Modules with ZH Connectors

Featuring a backplane base-free slice design that eliminates wasted space, these new I/O modules—featuring compact, slim ZH connectors (1.5 mm (0.06 in.) pitch)—help fill out the popular R8 Series of ultra-slim, slice-type, scalable remote I/O modules.

NEW

Slice Type, Scalable Remote I/O

**R8 Series
ZH Connector Type**

CE



For even greater efficiency of space inside control panels

These new models feature ZH connectors manufactured by J.S.T.MFG. and characterized by their compact, low-profile design. A single 12 mm (0.47 in.) wide I/O module supports up to 32 points, enabling greater space savings in control panels. Redesigned connectors and LED indicators also help deliver a more affordable price.

The modules can also be used alongside conventional connector-type I/O modules, including MIL connectors.

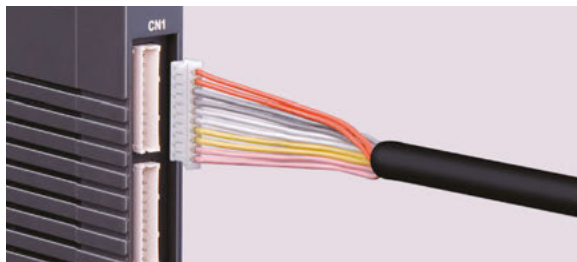
**Up to 32 points with
a single 12 mm (0.47 in) module**

Scan the 2D code on the right to learn more about the R8 Series' features.



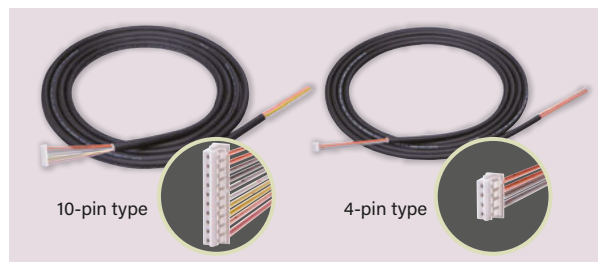
Compact, slim ZH connector

This board-to-wire connector with a 1.5 mm (0.06 in.) pitch and crimp-and-mate, top-entry (DIP) design enables a low mounting height of 5.9 mm (0.23 in.) and a thickness of 3.5 mm (0.14 in.).



Convenient 10-pin and 4-pin connector cables

The 2 m ZH connector cable (ZHCL) comes with pre-attached plugs, eliminating cable preparation and terminal crimping for improved installation efficiency.



NEW ZH Connector R8 Series Product Lineup

PRODUCT	MODEL	CE
NPN DISCRETE INPUT MODULE, 4 points	R8Y-DAZH4A	✓
NPN DISCRETE INPUT MODULE, 8 points	R8Y-DAZH8A	✓
NPN DISCRETE INPUT MODULE, 16 points	R8Y-DAZH16A	✓
NPN DISCRETE INPUT MODULE, 32 points	R8Y-DAZH32A	✓
NPN TRANSISTOR OUTPUT MODULE, 4 points	R8Y-DCZH4A	✓
NPN TRANSISTOR OUTPUT MODULE, 8 points	R8Y-DCZH8A	✓
NPN TRANSISTOR OUTPUT MODULE, 16 points	R8Y-DCZH16A	✓
NPN TRANSISTOR OUTPUT MODULE, 32 points	R8Y-DCZH32A	✓
ZH CONNECTOR CABLE	ZHCL	---

Main Specifications and Part Names

■ GENERAL SPECIFICATIONS

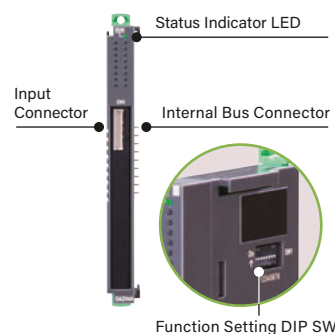
Connection

- **Input and output:** 10-pin ZH connector
Unit side connector: S10B-ZR (J.S.T. Mfg. Co., Ltd.)
Recommended socket: ZHR-10 (J.S.T. Mfg. Co., Ltd.)
Recommended contact: SZH-002T-P0.5 (J.S.T. Mfg. Co., Ltd.)
Applicable wire size: AWG28-26 (The socket and contact are not included in the package. Refer to the specifications of the product.)
- **Excitation supply, internal bus:** Connected to internal bus connector
- **Internal power:** Supplied from internal bus connector
- Isolation:** Input/Output or exc. supply to internal bus or internal power
- Module address:** With DIP switch
- Output at the loss of communication:** With DIP switch (R8Y-DCZHxA)
- Terminating resistor:** Built-in (DIP Switch, default: disable)
- Status indicator:** Bi-color (red/green) LED; Refer to the instruction manual.

■ INSTALLATION

Max. current consumption: 100 mA
Operating temperature: -10 to +55°C
 (14 to 131°F)
Operating humidity: 30 to 90 %RH
 (non-condensing)
Atmosphere: No corrosive gas or heavy dust
Mounting: DIN rail
Weight: 100 g (0.22 lb)

■ FRONT VIEW



Website



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