

Ethernet communication between electronic equipment has increased with the “Industry 4.0” trend of automation and data exchange in manufacturing technologies. This brings efficiency of manufacturing with ICT (Information & Communications Technology). The ix Industrial™ connector features a small robust design for use in industrial environments. The high-speed transmission design contributes to equipment evolution and smart manufacturing applications. The standard interface is compliant with IEC/PAS 61076-3-124. It can be widely used as a next generation standard connector.

- **Compact: 75% smaller in size than a RJ45**
- **Robust: 5000 mating cycles**
- **High-speed: Ethernet 1Gbps/10Gbps**
- **High EMC resistance**
- **Complies with IEC/PAS61076-3-124**

**Creative Links to Worlds Electronics**

## ■ FEATURES

### ► Compact:

Reduces installation space by 75% compared to conventional RJ45 solutions, enables high design flexibility.

Keying variations:

- Type A, bottom left
- Type B, top left

Type A keying



ix Industrial™ RJ45 Modular

The receptacles enable parallel 10mm pitch mounting, ideal for daisy-chaining applications. Contributes to unit size reduction.



### ► Robust:

HRS's unique shell design offers maximum stability on the PCB, increases locking strength and provides durable cable connection of the plug. The robust structure also supports strong resistance to vibration and shock. 5,000 mating cycles can be achieved.

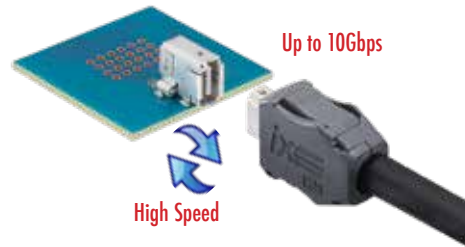


5,000 mating cycles

5 robust through-hole contacts secure the receptacle to the board

### ► High Data Rate Transmission:

Cat.5e (1Gbps) and Cat.6A (10Gbps) high-speed Ethernet performance



Up to 10Gbps

High Speed

### ► High EMC Resistance:

Optimized shielding design guarantees high EMC resistance to secure safe data transmission.



### ► Simplified Tooling:

The dedicated handtool is user-friendly. There are two slots to easily crimp the cable clamp and terminate the IDC contacts to reduce assembly time.



### ► Variations:

(IDC versions coming soon)

Upright right angle - Receptacle / Part NO.	Code NO.	Specification
IX61G-A-10P	CL251-0021-0-00	Upright right angle A key / AuP0.2
IX61G-A-10P(01)	CL251-0021-0-01	Upright right angle A key / PdNiP0.75+AuP0.05
IX61G-B-10P	CL251-0026-0-00	Upright right angle B key / AuP0.2
IX61G-B-10P(01)	CL251-0026-0-01	Upright right angle B key / PdNiP0.75+AuP0.05
Soldering plugs / Part NO.	Code NO.	Specification
IX40G-A-10S-CV(7.0)	CL251-0022-0-00	Soldering plug A key / AuP0.2
IX40G-A-10S-CV(7.0)(01)	CL251-0022-0-01	Soldering plug A key / PdNiP0.75+AuP0.05
IX40G-B-10S-CV(7.0)	CL251-0032-0-00	Soldering plug B key / AuP0.2
IX40G-B-10S-CV(7.0)(01)	CL251-0032-0-01	Soldering plug B key / PdNiP0.75+AuP0.05





## ■ APPLICATIONS



▶ Security System



▶ Transportation



▶ Data Center



▶ Robotics



▶ Communications



▶ Factory Automation

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