

## **CAT6<sub>A</sub> Tool-free Field Assembly RJ45 Connector**

**The tool-free field assembly connector of the Y-Con RJ45 series from Yamaichi Electronics bears the name Y-Con Profix-Plug. This quick and easy to assemble RJ45 connector meets the Category 6<sub>A</sub> requirements of the ISO/IEC 11801 standard and was developed for industrial applications.**

### **Tool-free assembly**

The small and robust connector with IP20 protection rating consists of only a few individual parts and can be mounted quickly and easily in just a few steps. Due to its design and its insulation displacement contacts, no special tool is required for this. And the easy handling saves time and money.

The Y-Con Profix plug fits perfectly to the CAT.6<sub>A</sub> RJ45 jack Y-Con Jack-6\* from Yamaichi Electronics. The RJ45 sockets of this series also meet the CAT6<sub>A</sub> requirements according to ISO/IEC 60603-7-51. It goes without saying that the plug also fits all other commercially available RJ45 jacks and can be used in multiport jacks.

### **Unique integrated power supply contacts**

Another feature are the two optionally integrable additional power supply contacts. Up to 3.1 A current can be transmitted via these contacts in addition to Power over Ethernet (PoE). Both jacks and plugs are matched to each other and a corresponding hybrid cable ensures transmission. This offers full flexibility and saves the user an additional cable.

Due to its design, the Y-Con Profix-Plug can be used for many different cable outer diameters and allows the use of both solid single

wires and stranded wires of different diameters. Another advantage is that it can be assembled up to 5 times with its insulation displacement contacts (IDC).

These and many other features make the Y-Con Profix plug a unique and reliable connector for many applications in the industry.

**Features overview:**

- CAT6A according to ISO/IEC 11801
- Wire connection: IDC contacts
- Rated current: 3.1A at 70°C
- Lifetime: 1,500 mating cycles
- Wire: AWG 22 to 27
- Stranded wire: AWG 24 to 27
- 2 optional power supply contacts
- Can be assembled up to 5 times
- Can be assembled without special tools
- Suitable for cable outer diameters from 6.8 mm to 9.25 mm

**About Yamaichi Electronics**

Yamaichi Electronics is a market leader for Test & Burn-In sockets, connectors and connection systems. Their reliability and functional dependability are essential for the success of the overall project. Yamaichi Electronics established itself on the world market as a manufacturer of high quality, reliable components for demanding applications in various markets and applications: semiconductor, industrial automation, automotive, data networking, measurement & testing, medical, mobile computing, embedded computing, and others.

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