

Railway Application 轨交应用



ESCHA Automation Connectivity (Shanghai) Co., Ltd.
艾查工业自动化产品(上海)有限公司



30年以来ESCHA一直代表着连接及插接技术方面的高性能和高品质。我们开发并制造符合自动化以及其它众多应用领域工业要求的连接件。

我们掌握的防尘、防水以及防护解决方案来自自动化工程，与我们广泛的经验，开发了快速和安全的车载数据传输总线和轨交应用连接器。

可从ESCHA获取轨交批准的产品符合典型的先进的车载网络系统的要求。

ESCHA has stood for competence and quality in connectivity- and housing technology for more than 30 years. We develop and manufacture connectivity that stands up to the industrial requirements of automation as well as numerous other application areas.

Coming from automation engineering, we master the technology of dust and waterproof connectivity and housing solutions. With our broad experience we developed a connector range for fast and secure on-board data transmission for Bus and Train.

'rail approved' products from ESCHA comply with the typical requirements of advanced onboard network systems.



产品介绍

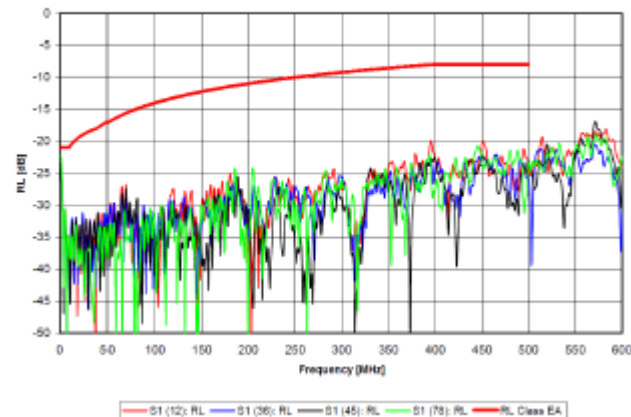
Product Presentation

- ◆ ECN和ETB组件
连接技术骨干线路和子系统(IEC61375-3-4 | IEC61375-2-5)
Components for ECN and ETB
Connectivity technology for backbone wiring
and subsystems (IEC61375-3-4 | IEC61375-2-5)
- ◆ 高传输速率
安全的数据传输通过工业以太网传输速率高达10 Gbit/s
High transmission rates
Secure data transmission via Industrial Ethernet with
transmission rates up to 10Gbit/s
- ◆ 轨交执行标准
测试根据DIN 50155和消防标准DIN EN 45545(危险级别3)
Rail-specific standards
Tested according to DIN 50155 and
Fire protection standard DIN EN 45545 (Hazardous Level 3)

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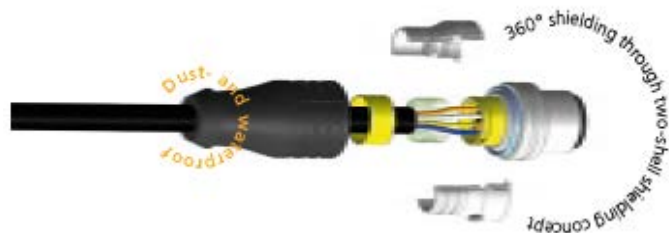


产品介绍

Product Presentation

- ◆ 360°全屏蔽
永久360°屏蔽和防振动机制; ESCHA专利2SSK-技术
360°-Shielding
Permanent 360°-Shielding even with vibration and high mechanical stresses due to patented ESCHA 2SSK-Technology
- ◆ 防护等级级别高
防护等级执行标准根据IP67
Highest protection class
Dust- and waterproof according to IP67

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产品介绍

Product Presentation

M12←→RJ45预铸

- ✓ M12 双头产品
M12 Junction connector cable
- ✓ RJ45双头产品
RJ45 Junction connector cable
- ✓ M12←→RJ45 双头产品
M12←→RJ45 Interchange Junction connector cable
- ✓ 4芯D-Coding 8芯X-Coding 可选
D-Coding and X-Coding for optional
- ✓ 线缆长度可自定义
Cable length can be customized

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产品介绍 Product Presentation

ESCHA

现场安装&适配器

- ✓ RJ45 与 M12 现场接线产品
RJ45 and M12 Field wireable products
- ✓ IDC 连接高效可靠
IDC connection efficient
- ✓ 各种转换接头
Various conversion joint
- ✓ 更多请参考样本 "Escha_Rail_Approved"
Please refer to the catalogue "Escha_Rail_Approved"



轨交应用 Rail Application

获得铁路行业批准



在车辆开发与现代公交车和火车，可靠的车载网络系统已经发展成为一个决定性因素。效率和防干扰的网络可提供安全性以及给乘客的舒适。复杂的子系统(IEC 61375-3-4)主服务器提供实时信息通过高性能的基础网络(主干网根据IEC 61375-2-5)。与此同时,也是跨国欧洲火车交通的必然要求。



Reliable on-board network systems have evolved into a decisive factor within the vehicle development on modern busses and trains. Efficient and resistant networks provide for safety and passenger comfort. Complex subsystems (IEC 61375-3-4) supply the main server with real-time information via a high-performance base network (Backbone according to IEC 61375-2-5) and are, meanwhile, a necessary requirement for the transnational European train traffic.

我们的新产品项目应用于现代公交和火车的典型网络:组件可以迅速和轻松地集成到车辆,提供一个安全、可靠的数据传输可达10Gbit/s。

根据Cat6A也符合相关消防标准DIN EN45545(3级危险品)以及DIN EN50155对所有电子设备可安装在列车车辆。



Our new product program for Bus- and Train applications is oriented to the typical requirements of these modern board networks: The components can be swiftly and easily integrated into the vehicle; they provide for a safe and reliable data transmission up to 10 Gbit/s according to Cat6A and also meet the relevant fire protection standard DIN EN 45545 (Hazardous Level 3) as well as DIN EN 50155 for all electronic facilities being installed on train vehicles.

轨交应用 Rail Application

ESCHA

可靠的屏蔽与防护



所有的ESCHA连接器和法兰系列的新产品线一定是360°屏蔽。这是基于我们的自身研发和专利ESCHA 双层双组分包胶模屏蔽，提供一个永久屏蔽，即使在振动场合和高机械应力。

All connectors and flanges of the new product line have a continuous 360°-Shielding. This is based on our own-developed and patented ESCHA 2SSK-Technology, providing for a permanent shielding even with vibration and high mechanical stresses.

屏蔽概念是市场上唯一可用的解决方案，满足防护等级IP67,IP68 IP69K，如同铁路应用系统需求中使用技术等级复杂的电缆外套的情况。

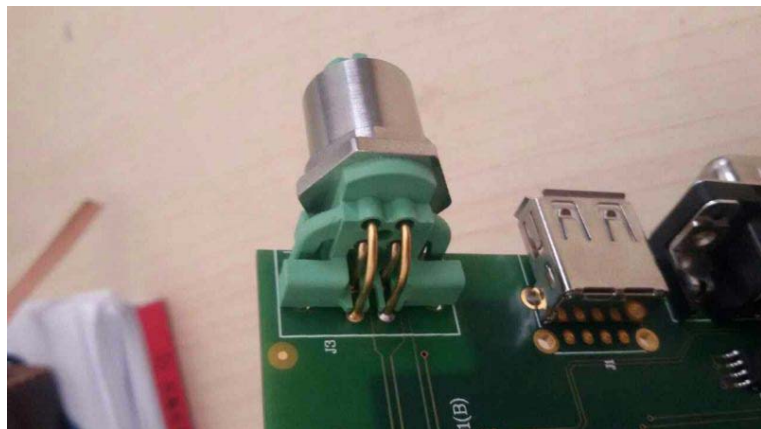
Our shielding concept is the only solution available on the market meeting protection classes IP67, IP68 and IP69 K requirements also in cases of technically sophisticated cable jackets, just like they are used in rail applications.

产品解决方案 Product Solution

PCB组件及连接线

PCB components and connector cables

- 应用于机车车辆与信号系统
applied to locomotive vehicle and signal system
- 环境设备监控系统，包括CCTV
environmental equipment monitoring and control system
- 机车制动系统
locomotive brake system



产品解决方案 Product Solution

工业以太网连接线 Industrial Ethernet cables

- 应用于车厢联接系统
applied to train connection
- 环境设备监控系统,包括PIS、CCTV
environmental equipment monitoring and control system,
including PIS,CCTV,etc
- 控制柜
control cabinet
- 以太网控制协议标准
Ethernet control protocol standard



联系方式 Contact

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You are always welcome to inquire !