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**兴威联电气**  
—SVLEC®—

Pursuit of excellence and refinement



LED light / Sensors



Cable entry system / Front panel interface / Cable clamber



Connection technology



Intelligent Power Distribution / Power supply module / Ethernet switch



IO modules



Servo

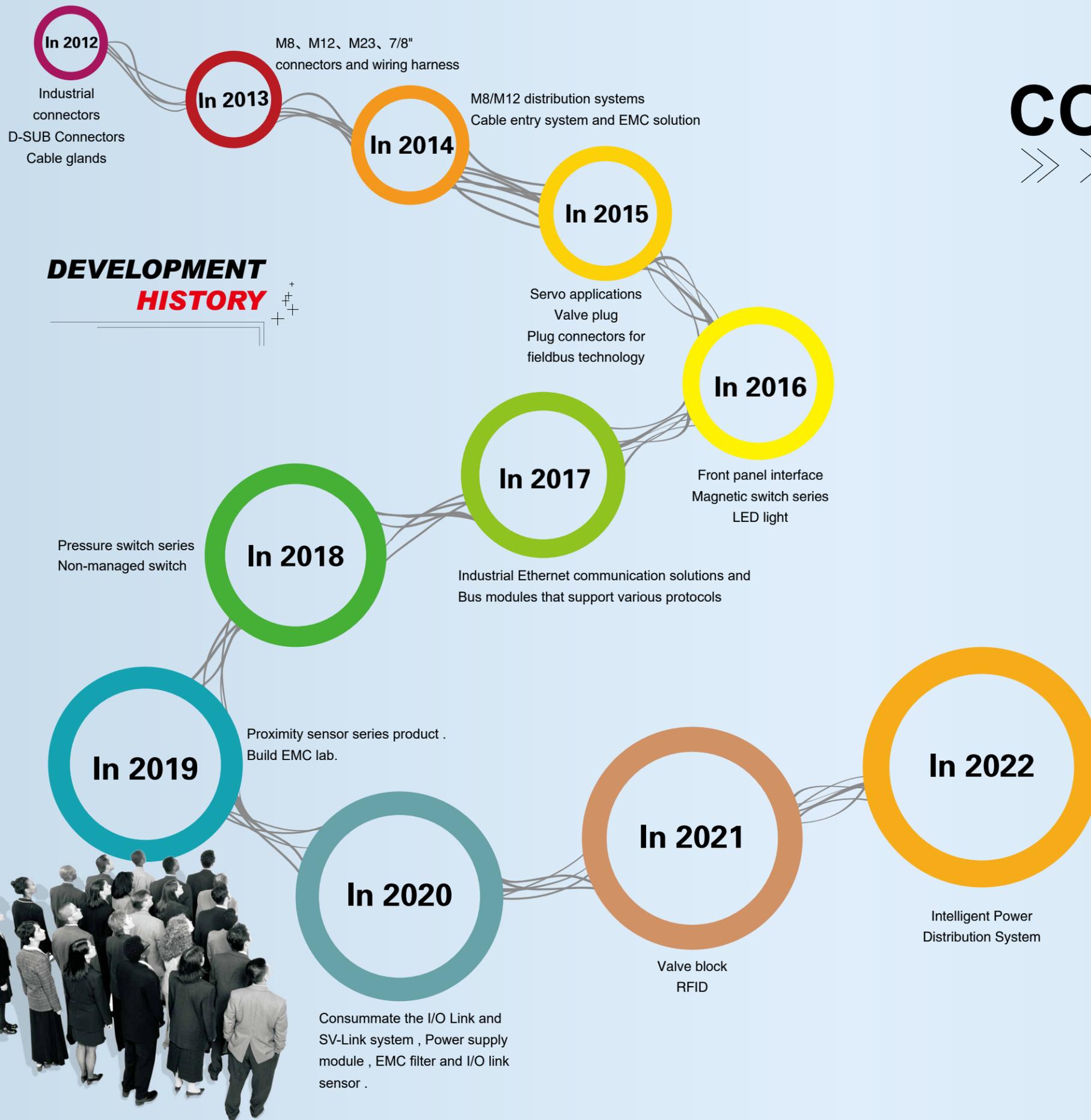
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**PRODUCT SHORTFORM**



**DEVELOPMENT HISTORY**

**COMPANY INTRODUCTION**

Kunshan SVL Electric co., LTD., located in German industrial zone, kunshan city, jiangsu province, with a workshop area of 5000 square meters. We are innovative Scientific and technological enterprise integrating R&D, production and sales.

SVLEC can provide automatic components such as connectors and wiring harness, heavy-duty connectors, servo wiring harness, panel interface, valve plug, cable entry system, magnetic switch, pressure switch, industrial LED lighting, bus module, etc.

SVLEC 's high-quality, innovative products are strictly tested in the laboratory and long-term user integration. Our laboratory fully conforms to the IEC 61984 & IEC 17025 construction standards. Our products have passed CE, TUV, UL certification successively.

SVLEC provide reliable products and high-quality and efficient services for customers in the energy industry, process industry, infrastructure, factory automation and other industrial fields.







SVLEC   
**EARNEST WORKING AND  
INHERIT WITH HEART**

Pursuit of **excellence** and **refinement**

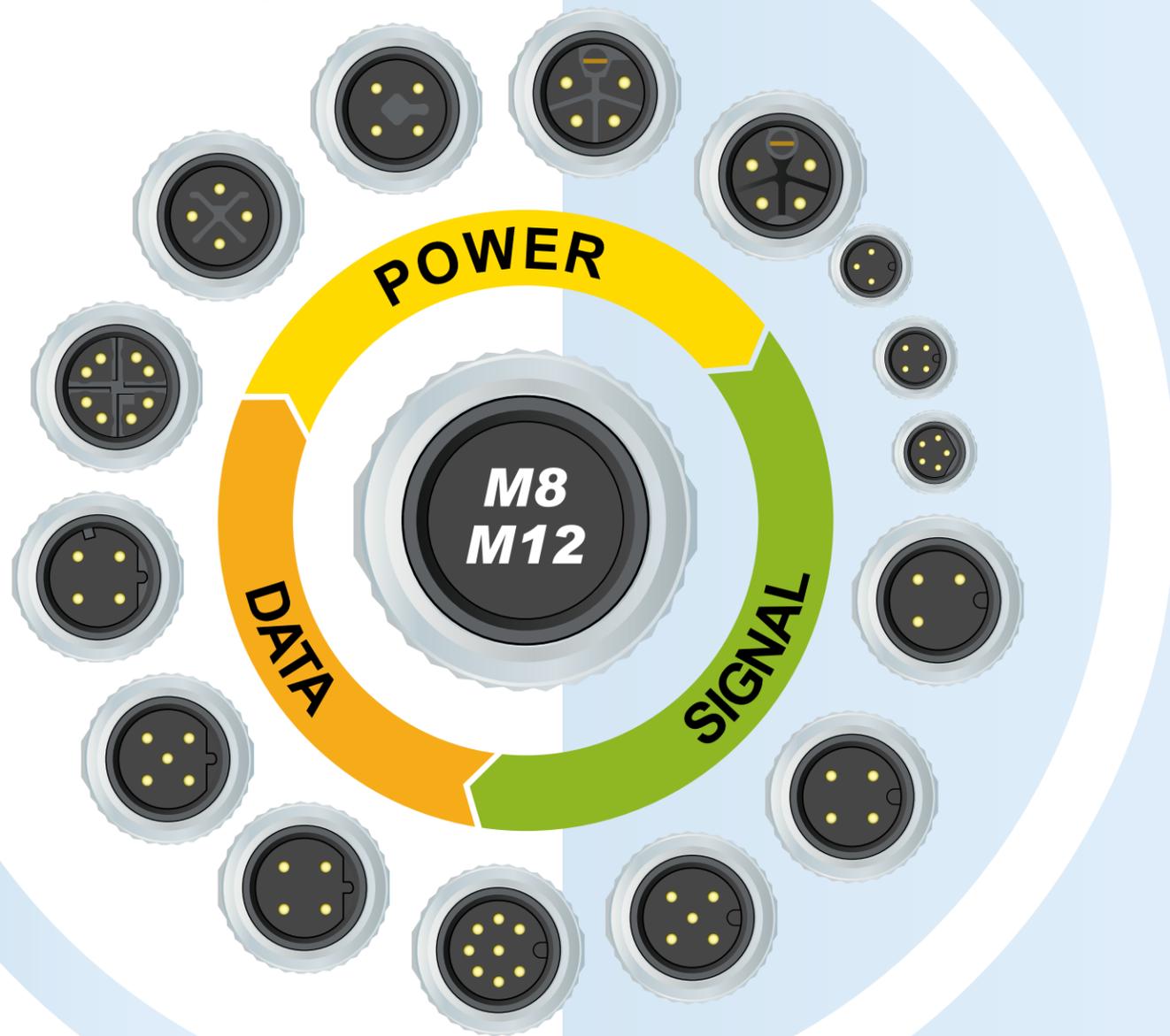
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# EXCELLENT

## >> > DIVERSITY.

Application to data, signal and power transmission



### FAST DATA TRANSFER

With increasingly complex automation processes placing increasing demands on data throughput and speed, miniaturized connectors open up a whole new field and performance milestone. Its high power transmission, compact design and wide temperature range suitable for secure and reliable data transmission in complex situations.



Industrial PC for Li-battery



M12 double-hole connector save space



Transmission speeds of up to 10 Gbps

SVLEC X-coded connectors integrate into infrastructure, networks and terminal equipment to provide future-oriented data transmission to ensure smooth network communication from office to field equipment.



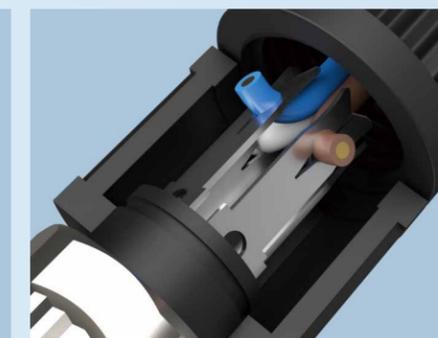
Compact connector for power

SVLEC provide M12 K/L/S/T code connector for power in limited space , which can reach to 12A or 630V by correct code .



Push-pull lock M12 connector

Push-pull latches save a lot of time on connections. The improved operation also allows for a more compact arrangement of equipment ports to meet miniaturization and economical cabling requirements.

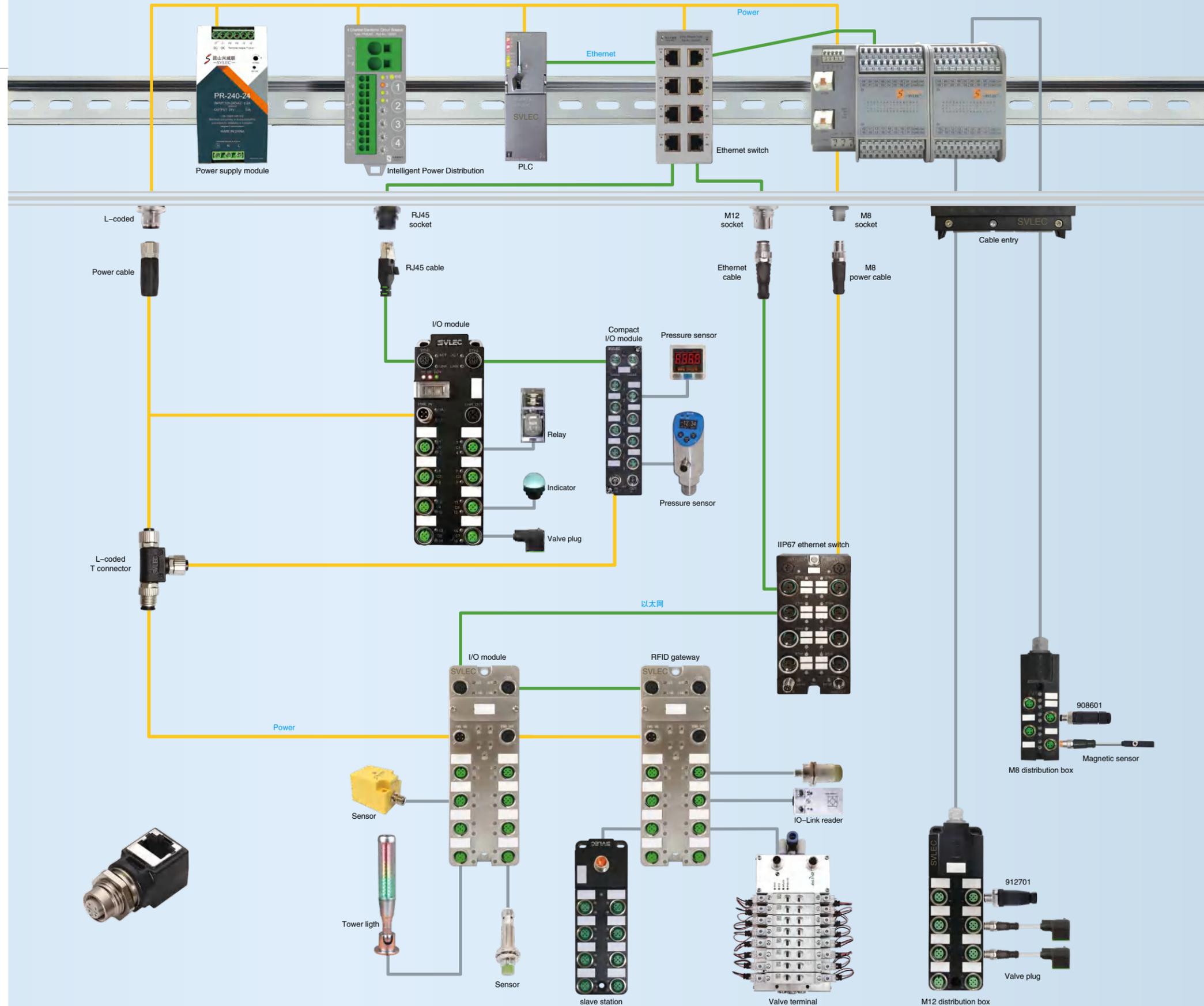


Save 60% of your time

Strip-free wire connection technology provides the fastest connection method for the M8 connector. As soon as the connector touches the wire insulation layer, it peels off the wire insulation layer to realize the vibration resistance and air tightness of the wire connection.

# Ethernet solutions

SVLEC is specialized in the research and development, production and sales of automation components , We provide the multi-protocol ( Profinet、Ethernet/IP、EtherCAT、CC-Link、DeviceNET、Profibus、Modbus、SV-Link、IO-Link) remote IO module, which can meet various needs of different industries.

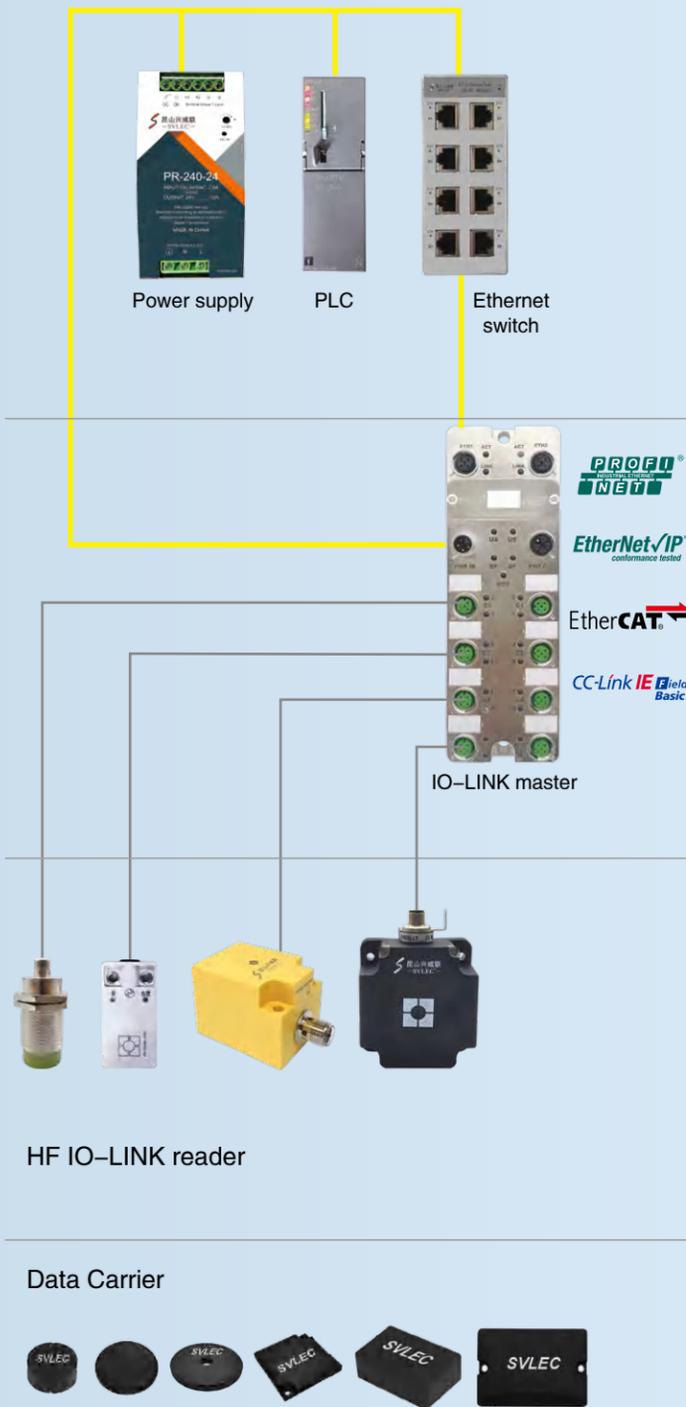


# BUS MODULES

SVLEC provide bus module apply to different protocols. Whether it is high EMC shielding function metal shell or industrial plastic type, it has diagnostic options, high protection level, impact resistance, vibration resistance and other characteristics. It maintains input and output information to the LED of the controller and module, in case of failure, the ports affected will be closed instead of the entire module, minimize system downtime to solve problem.



# RFID

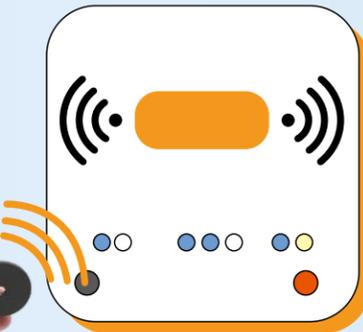


**What is RFID ?**  
 RFID is a radio frequency identification, which means automatically identifying any type of target. The code block is attached to the recognition target as a portable mobile memory. Data is transmitted back and forth between the code block and the read head or read/write head through inductive coupling, then send the data to the controller. Industrial RFID is fast and reliable, even for changing targets and large amounts of data, which means that targets can be easily identified and tracked. It is widely used in auto, metallurgy, tobacco, logistics and other automatic cargo systems.

**Advantage**  
 Each module with 8 IO-LINK port, and digital/analog signal compatible .  
 Multi-protocol: PROFINET、Ethernet I/P、EtherCAT、CC-Link IE supported

HF module integrated into your various control systems easily.  
 The read/write head supports data movement, read/write, fast and safe. Robust industrial design IP67-IP69K

Up to 10 times of read - write code carrier High speed data transmission and FRAM carrier with multiple cycles



# Valve terminal

- 1、The valve terminal is suitable for ( Profinet、Ethernet/IP、EtherCAT、CC-Link、IO-Link )
- 2、A set of valve terminal support 24 double coil solenoid valve
- 3、Wiring simplified, and the valve block can be connected in series with only one bus cable
- 4、All ports are equipped with diagnostic function and suitable for solenoid valves of mainstream brands
- 5、Extension by SV-link with bus module
- 6、Inlet pressure detection (optional)



single coil valve terminal



double coil valve terminal



Valve terminal universal

## FRONT PANEL INTERFACE

In the field operation or mechanical diagnosis and maintenance, the front panel interface can make it easier for the staff to operate the control device in the control cabinet, thus ensuring that the control cabinet is always closed and the components in the control cabinet will not be affected. At the same time also ensure that the electrical installation work in accordance with the requirements of safety regulations.



## VALVE PLUG

Prefabricated wire harness valve plug integrates LED status indicator light, which makes maintenance more convenient, molds the structure, improves the impact resistance and shock resistance of the product, and can make the protection grade of the product reach IP65~IP67.

## Power supply module

Standard guide rail series (30-240W) standard guide rail type (35mm) package installation, can save a lot of space and installation time for customers, the global input voltage range, the input voltage range of 85-264Vac3, with active PFC, high efficiency, energy saving, environmental protection



## Intelligent Power Distribution

The intelligent power distribution module for 24 V DC applications. SVLEC's intelligent power distributor provides fault protection for system components and switched mode power supplies. It has the functions of intelligent shutdown, early warning, remote reset and single channel management.



## ETHERNET SWITCHES

Data transmission speed : 100/1000 Mbps,  
Different transmission speed network Segment coupling,  
Self-crossing, IP67/IP20 protection level.



# Sensors

The magnetic sensor adopts high-precision AMR sensor, with sensitive action, wide detection range, multiple protection functions such as output short circuit, power supply reverse connection and surge absorption.

Proximity sensors are widely used for position counting and limit protection in all automated processes. Extremely high switching frequency and repeatability, strong shockproof, dustproof and waterproof ability, to ensure the reliability of the sensor and super environmental adaptability.

Pressure sensor adopts high precision resistance pressure sensor, supplemented by temperature compensation circuit and optimization software algorithm, with low temperature drift, high precision. At the same time, three-color two-screen design, clear display, simple Settings, can meet the needs of different industries.



# Data transmission connector

The data transmission connector with 2 types : DTE (dataterminal e quipment) for Ethernet network cards, router Ethernet interfaces, etc. and DCE (digital co mmunication equipment) for switches, etc.





The as-i is easy to install by pressing flat cables into the guide channel and pushing the module forward. Sensor networking in low complexity networks is implemented in an economical and efficient way.



# FIELD BUS

The innovative M12 power cable provided by SVLEC electric can realize high power transmission in extremely limited space.

The standard miniaturization is realized through the M12 power connector.

Smaller electrical equipment and motors require smaller interfaces. SVLEC provides S, T, L, K and other code pin connector and compactly alternative to the 7/8" connector, which enables high-power transmission in limited space.

# DISTRIBUTION SYSTEMS

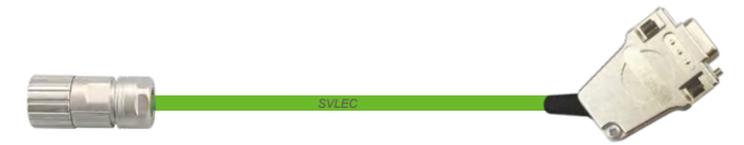
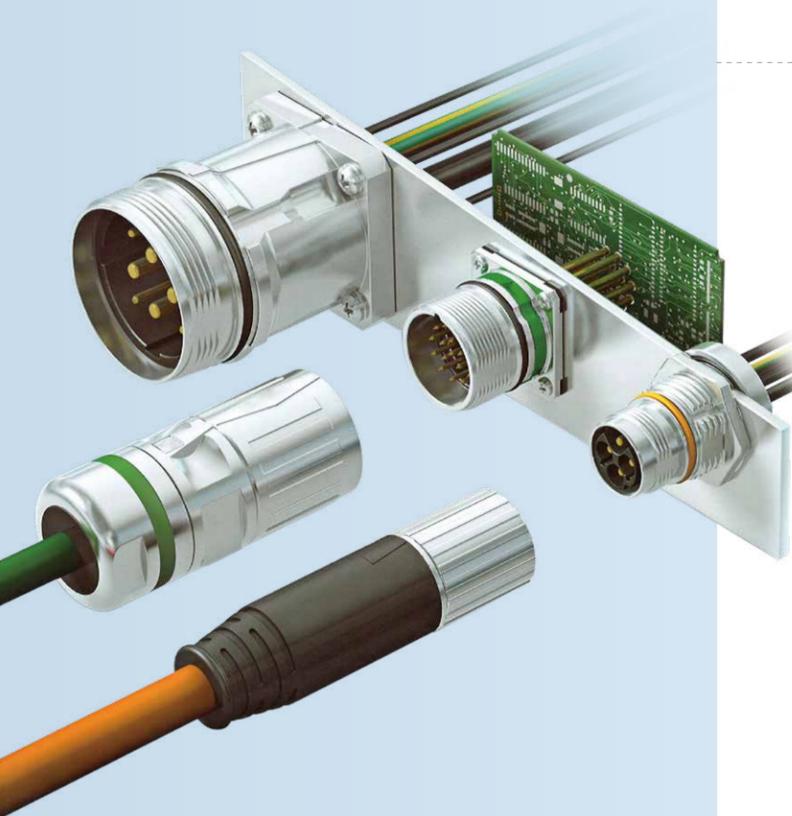
M8/M12 splitter can provide an easier connection of field components and clear wiring. In addition to the M8/M12 thread full plastic dispenser, we also offer 7/8" dispensers. Main cable connection can be based on needs to choose ascrew connection or convenient direct connection.

Use Y - type distributor to double the junction box socket. Thus, the wiring time and workload can be saved and the field signal distribution can be simplified.



# SERVO APPLICATIONS

The circular connector from M17 to M40 adopts the modern and unified design concept to provide a unified power supply and signal transmission solution for industrial field applications such as servo motors, with safe connection and easy assembly.



# RECTANGULAR CONNECTORS

Heavy-duty connector is specially designed for modular production of pre-wiring and to meet the requirements of harsh environmental conditions. Its main applications include rail transit, industrial automation, equipment manufacturing and other industrial fields. Compared with the traditional wiring, the use of heavy-duty connectors can reduce the field wiring of equipment or vehicles after leaving the production workshop. Improve production efficiency and reduce the quality risk of field wiring.

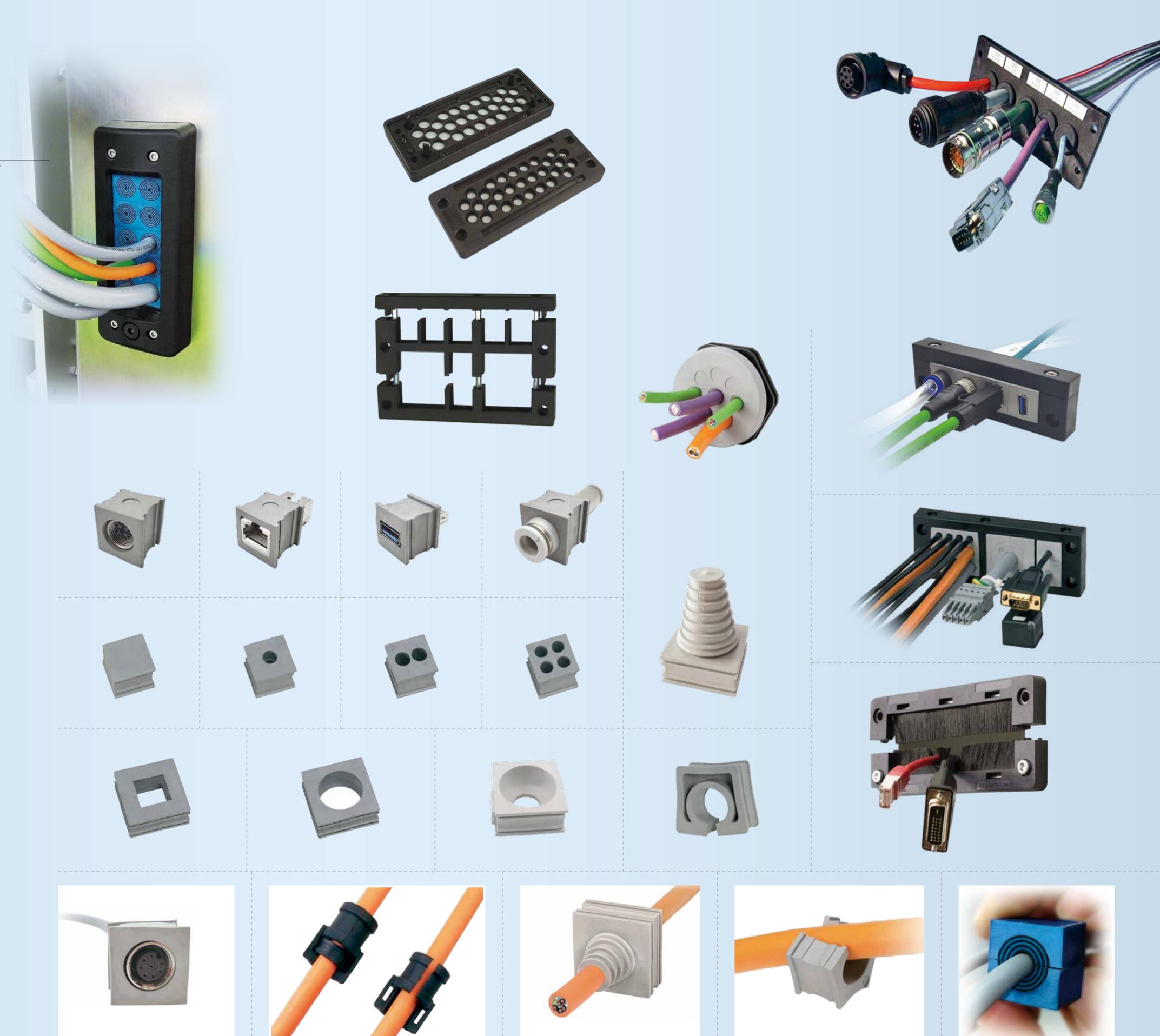


# CABLE ENTRY SYSTEM

Using the patented grommet based SVLEC cable entry system, pre-terminated as well as standard cables without connectors can be routed into switch cabinets, control panels or machines. The cables are also sealed and strain relieved.

## Advantages:

1. Retrofitting and maintenance can be carried out easily and quickly.
2. High packing density, wide variety of frames and inserts can be chosen.
3. Strain relief according DIN EN 50262/62444

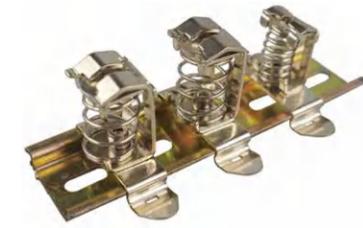
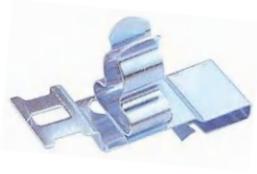
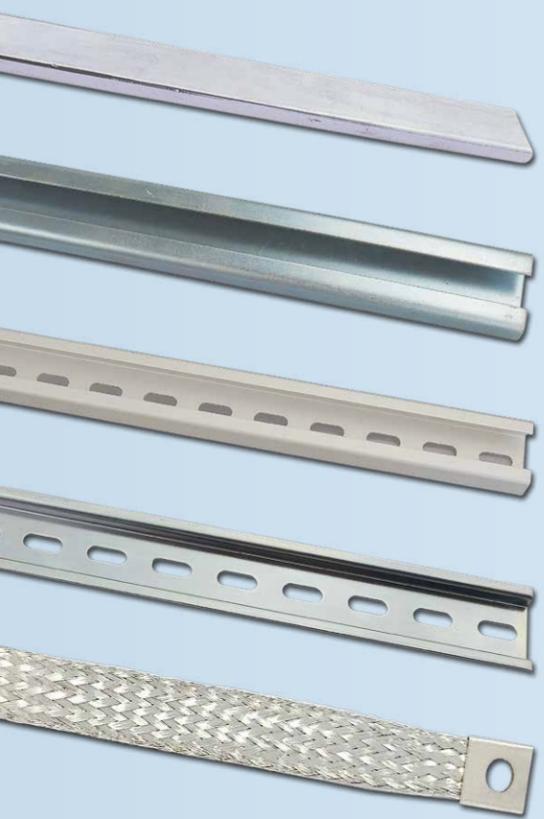


# CABLE GLANDS & STRAIN RELIEF SYSTEMS

By using the cable finishing system of SVLEC, the cables can be installed and cleaned quickly. Meanwhile, the process measurement and equipment control need higher and higher fault protection ability. To achieve this, shielding and shielding grounding are very important, in order to make the shield play a good role, the following two essential:

High reliability is required for cable shield sandwich connection. The contact surface and structure shall have extremely low impedance.

SVLEC products can provide a complete set of cable fixing and finishing solutions from cable connector to shield clip.



# LED LIGHT

SVLEC LED industrial indicator lamp series products can not only help employees improve efficiency and quality of products, but also save lighting costs. Exclusive design, with anti - cracking, anti - erosion performance, suitable for a variety of harsh environment.

