



# Device & Connection Technology

## TERMINAL BLOCKS

- Rating up to 353A/1000V
- Screw & Bolt connection
- UL/CE Approved
- Material:PA 6.6



Push-in connection technology



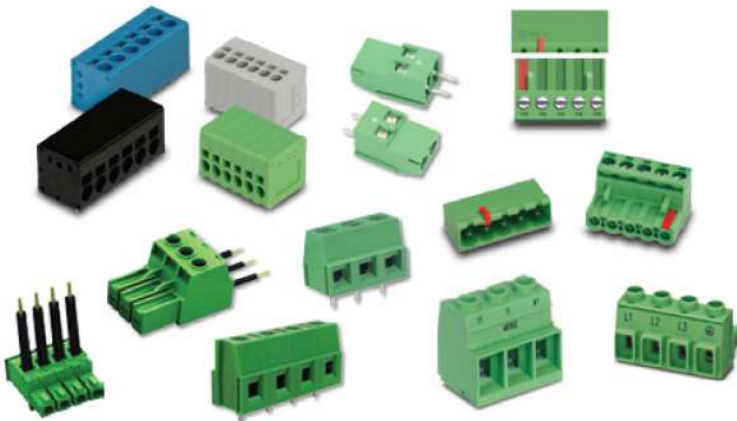
Screw connection technology



Spring-cage connection



Bolt connection



## PCB TERMINAL BLOCKS

- For conductor cross sections from 0.14 mm<sup>2</sup> (AWG 26) to 95 mm<sup>2</sup> (AWG 3/0)
- Connection Technologies Spring / Screw / IDC

## PCB CONNECTOR

- For conductor cross sections from 0.14 mm<sup>2</sup> (AWG 26) to 35 mm<sup>2</sup> (AWG 2)
- For pitch from 2.5mm to 15mm

## SURGE PROTECTION

- AC SPD:Type-1, Type-2, Type-3
- Communication SPD:Ethernet RJ45 (POE)/RJ 485,D-SUB-9
- Standards: IEC 61643-11/EN 61643-11/IEC 61643-21
- Tested and Certified as per Standard





## Electronics

### ELECTRO MECHANICAL & SOLID-STATE RELAYS

- Contact Arrangement up to 4 PDT Relay
- Rating up to 10A/230 AC/DC
- Built-in protection
- Mechanical Position Indicator



### SAFETY RELAY MODULES

- Safe coupling relays
- Configurable safety modules
- Safety switches
- Performance level e in accordance with ISO 13849 and SILCL 3 in accordance with IEC 62061
- Safety relays with overall width starting from 6 mm, and a minimum of one enabling path make them suitable for modular safety concepts

### TIMER RELAY

- Universal Time Delay
- Time Setting Range from milliseconds to 10 hours
- Conveniently settable from front of Housing
- Compact Design







# Automation Solutions

## POWER SUPPLY UNITS & UPS



**ESSENTIAL POWER**  
ideally suited for simple application



**QUINT POWER**  
maximum functionality with SFB technology



**TRIO POWER**  
robust with standard functionality



**UNO POWER**  
compact with basic functionality

### Quality Features

- AC or DC Input: Single-Phase, 3 Phase
- DC Output: Power upto 1000W
- Power: 24VDC up to 960W
- Voltages: 5, 12, 15, 24, 48 VDC
- DIN Rail mountable with fanless cooling
- CE, UL, EAC Approved



**Fast installation**  
The pre-mounted DIN rail adapters enable easy and fast DIN rail mounting.



**Fan-free convection cooling**  
You can achieve a higher availability of your systems with the ESSENTIAL POWER power supply, thanks to its fan-free convection cooling.



**For universal use**  
The devices can be used worldwide, thanks to their international approval package and their wide range input.

## SIGNAL CONDITIONER

- 3-way signal isolation
- Wide range signal acceptability
- Compact Design: Just 6mm width
- Easily Configurable



## MARKING & LABELING

- Wipe resistance as per DIN EN 61010-1
- Temperature: -40°C to +120°C
- Material: PC
- Inflammability Class: V2



## SENSOR/ACTUATOR CABLING

- Rating up to 4A/250 AC/DC
- Protection: IP 65
- Available in M8 & M12, 3 & 4 pins
- Versions with Straight/Anqled.PUR/PVC



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## Smart Industrial Solutions

### PLC & I/O - INTELLIGENT AUTOMATION SYSTEMS

#### I/O Systems

- For IP 20 & IP65 degree of protection
- Combine I/O flexibility
- Optimum automation solutions for Control cabinet
- PLC's I/O systems & PLC software

#### PLC

- PLC in all performance classes
- Works with preferred programming language
- IEC 61131-3
- PLCnext control via cloud connection



### INDUSTRIAL ETHERNET SWITCHES

- Managed & Un-managed switches
- Wireless Ethernet
- Media Converter

### HMI & INDUSTRIAL PCs

- Design, quality & services from HMI (Human Machine Interface) & powerful industrial PCs with custom solutions for industrial requirements
- High quality hardware
- Fast start-up
- Customized solutions



### HEAVY DUTY CONNECTORS

- Device connectors & cable connectors
- Metric threads from M5 to M58
- DC & AC solutions
- Modular connectors for signal, data & power
- IP20 to IP69K degree of protection



## Automation Solutions

**TOOLS** Hand tools for cutting, stripping, crimping, screwing, and measuring: the TOOL fox range of tools features hand tools for all applications in electrical engineering.



- Cutting & Universal Tools ■ Stripping Tools ■ Crimping Tools ■ Screwdrivers & Cordless Screwdrivers ■ Testing & Measuring ■ Tool Sets

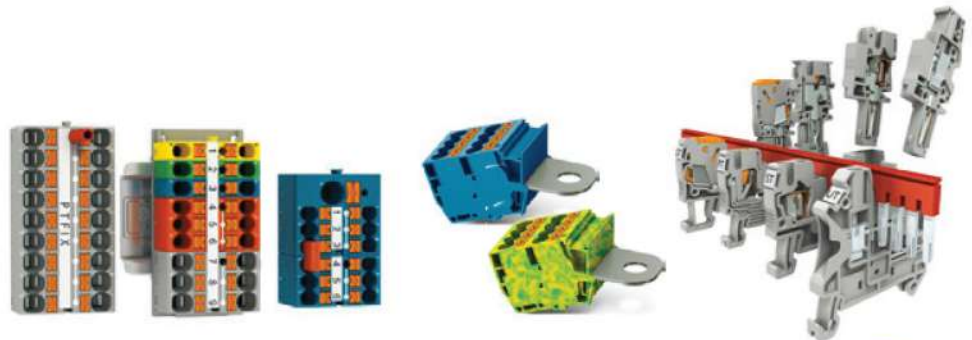
## LUGS & ACCESSORIES

- Ferrules
- Ring Cable Lugs
- Fork Cable Lugs
- Pin-Type Lugs
- Flat-Type Lugs
- Slip-On Sleeves
- Butt Connectors



## DISTRIBUTION BLOCKS

- PT Fix Distribution Blocks
- PT Busbar Terminal Blocks
- Combi-Disconnect



## CHARGING SOLUTIONS

E-Mobility empowered by Phoenix Contact



CHARX connect



CHARX control



- Connect ■ Manage ■ Control ■ Protect

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