

Electrical Solutions Division (ESD)

- One Stop solution for Electrical, Switch Gear, Control Components !!!

We started operation in 2016 signing with ABB as authorized distributor of Low voltage switch gear components and by 2021 we have many more solutions to support the demand of Customers in Kuwait.

Complete solutions for

- Control Panel's/Starters
- Variable Frequency Drives
- Control Transformers
- Earthing & Lightning
- Conduits (GI & Flexible)
- Distribution Boards
- Cable Management
- Industrial Plugs & Sockets
- Wiring Accessories
- Pilot Devices
- Cable Glands
- Measuring instruments

As our business operations cover all the market segments including retail, wholesale, industrial & commercial projects, the organizational structure is composed of various departments that deal with specific market segments, products and services. A corporate synergy exists to ensure the fast and efficient delivery of products and services to our valued clients.

ESD is dedicated to quality & safety, and committed to provide an ever-improving service to all of our clients.

We have dedicated team of extensive experienced professionals to ensure the best solutions available with cost effective methods.

Contact Details:

Address: P.O.Box 2295, Safat 13023, Kuwait

Tel: +965- 1808555 Extn 552

Fax: +965- 24766597

Email ID: info@hydrotek.com

Located at Shuwaikh Industrial Area 2, Block 1, Street 18
Khalifa Jassim Street, Kuwait



We Offers



DIN Rail Products (ABB)

Modular DIN Rail and related components for low voltage installation, essential for all applications in residential, industrial and commercial, which includes

- Miniature Circuit Breakers
- Residual-Current Devices (RCCB & RCBO)
- Auxiliary Elements
- Surge Protection Devices
- Arc Fault Detection Devices (S-ARCI & DS-ARCI)
- Command Devices (Contactors, Latching relays, Switch-isolators, switches, push buttons)
- Load Management Devices (Overload relays, phase failure and sequence relays)

Variable Frequency Drives (ABB)

VFDs are used in applications ranging from small appliances to large compressors. It's mainly used to control and adjust three phase AC motor's speed. Due to its stable performance, rich combination of features, high performance vector control technology, low speed with high torque output, good dynamic characteristics and superior overload capacity. In the case the motor only needs a lower capacity, the VFD can reduce the motor speed to save energy.

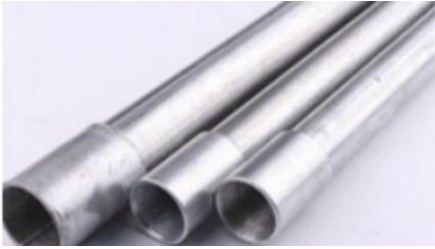


Earthing & Lightning Protection Components (FURSE)

IEC/BS EN 62305 makes clear the need for a combined lightning protection solution including both structural and electronic systems protection. The Furse Total Solution takes into account all potential risks associated with lightning strikes, and incorporates all the elements necessary to deliver both effective structural lightning protection, as well protection against surge and transient overvoltages. Earthing of the lightning protection system is paramount for safety in order to protect life, electrical equipment and critical electronics systems from faults and lightning currents. Here at Furse, our earthing components are manufactured to meet exacting British, European and International standards, ensuring robust, long-lasting performance in even the harshest soil conditions.



GI Conduits & Accessories



➤ **CAPARO**: Heavy gauge seam welded conduit. Hot Dipped Galvanized coating, applied inside and outside after the manufacture, Class 4 corrosion protection. Comply with BS 4568 / BS EN 50086 / BS EN 61386 / BS 31. Threaded both ends and protected by plastic cover protection on one end and one solid coupling at the other end. Protection against impact at all temperatures, moisture, and chemical vapours. Does not burn, contribute to smoke volume, emit potentially escape-inhibiting fire gases, or add to fuel load or flame spread. Provide an excellent electrical path to ground, eliminating the need for supplementary equipment grounding. Adaptable and can easily accommodate wiring changes, fully recyclable.

➤ **BARTON**: Barton Engineering produce and supply the premium quality Barton brand of UK manufactured hot dipped galvanised steel conduit, all main associated electrical cable management systems and a wide range of accessories and fittings. Products are renowned for their high quality, competitive pricing and worldwide exports. Comply with BS 4568 / BS EN 50086 / BS EN 61386 / BS 31.



➤ **BURN**: BURN range of conduits and fittings listed in this brochure is manufactured by Royal Steel Industry Co., Ltd. under a certified BS EN ISO 9001 system. Comply with BS 4568 / IEC 61386-1 / BS EN 50086-1 / BS EN 50086-2. Product features includes highest grade of steel for mechanical strength and maximum corrosion prevention, Well-controlled internal beads essential for wire pulling and resistant to snagging, Threading in compliance to BS specification. The conduits are supplied with a coupling screwed on one end and a protective colour coded cap at the other end to prevent damage. Rigorous quality control procedures to ensure process and product consistency.



Flexible Conduit Systems

ADAPTAFLEX: ABB Adaptaflex is a market-leading brand that can be found all over the world, offering flexible conduit systems. Flexible conduit systems are used to protect critical power and data cabling. Adaptaflex has achieved third party accreditation to the IEC61386 Standard from the British Standards Institution (BSI) and having specialist properties, including Fast Fit, Low Fire Hazard (LFH), Enhanced Low Fire Hazard (ELFH) and EMI screening. Non-metallic conduit systems do not corrode/rust and have wide variety of fittings.



NAMCODUCT: PVC Conduit pipes and fittings meet the requirements prescribed by the following standards organisations: SASO, BS, NEMA and ASTM. Our PVC pipe conduit range in straight runs of 2,9, 3, 6 meters are marked with standards specification. NAMCODUCT® products are non-flame propagating, combustion proof with good insulation properties having high anti-current puncture proof and lower thermal conductivity than that of metals, impact resistant, moisture proof, acids and alkalis-resistant and rust-free. Easy to install and maintain with complete range of solvent cement fabricated electrical fittings and light in weight resulting in a drop-down on the transportation cost, and facilitating pipes installation.



Architectural Solutions – Cable Containment Tray & Underfloor systems

(OBO-BETTERMANN)

OBO systems provide connections. The high production depth and strong process automation make it possible to deal with the enquiries and requirements of our customers in a flexible and targeted manner. Reliable, safe and of the highest quality: Product features such as installation speed, load capacity, functionality, availability, and safety are at the forefront of every innovation.

Industrial Installations - Cable support systems and connection and fastening systems for industry and construction project infrastructure.

Building Installations - Cable routing and underfloor systems for administrative and functional buildings including architectural solutions.

Safety and Protection Installations - Lightning, surge and fire protection systems



Industrial Plugs & Sockets (GEWISS)

IEC 309 HP: range of plugs and socket-outlets complying with the safety requisites defined by the international Standards IEC 60309-1 and IEC 60309-2 and assimilated at European level as EN 60309-1 and EN 60309-2. This range expands GEWISS's assortment from 16A to 125A straight plugs, straight connectors and 10° flush-mounting socket-outlets with IP44/IP54 and IP66/IP67/IP68/IP69 degrees of



protection to ensure full protection for all applications. All the sleeves and pins of the IEC 309 HP socket-outlets and plugs are surface-treated with nickel-plating to ensure full protection against corrosion, oxidation and abrasion.



Enclosures (TIBOX)

Enclosures offers energy distribution for residential, commercial and industrial applications. TIBOX offers metal wall mount enclosures having IP66 rated units with single/double door. Supply Include Enclosure and door ,mounting plate, lock system, gland plate, sealing gasket and fixing accessories.



Flameproof Electrical Control Panels (SHREE FLAME PROOF INDUSTRIES)

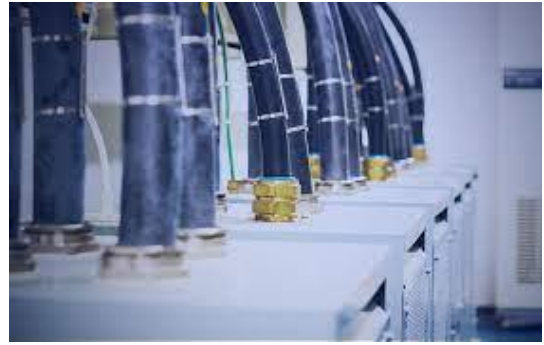
Shree Electrical & Engineering Company is a Reliable manufacturer of a wide range of FLAME PROOF ELECTRICAL CONTROL PANELS with experience of 19 years. These are manufactured using high- grade spare parts, components and other material that are obtained from certified vendors. Specialised in manufacturing (JB, Multi way, four way, fire fighting enclosure), Flame Proof AC Drive Panel, Flame Proof Automation Controller, Flame Proof Light Fixtures, Flame Proof Push Button Stations, Flame Proof Data Loggers, Flame Proof PLC Automation Control Panel, Sheet Metal Electrical Panels, Flame Proof Cable Glands etc. Our Panel includes excellent functional life, low maintenance, high efficiency, strong construction. Moreover, these panels protect various electrical machines and appliances by tolerating voltage fluctuations.



Cable Accessories – Glands & Lugs

➤ **SIMPLEX**

Simplex Cables UK Ltd's most popular range of cable glands include 100% Extruded, CNC-machined metal and special PVC glands to meet the most stringent environment conditions for outdoor, indoor and fire-rated applications.



Manufactured from seamless copper tube, Simplex Cables UK Ltd exclusive range of tinned-copper heavy duty cable lugs give an assurance of minimum 99.5% copper content for maximum current flow and electrical conductivity. Cable lugs range allows cable insertion to be handled efficiently for the opening of the conductor. Suitable for low & medium voltage switch gear & control panel.

➤ **AXIS-INDIA**

Axis is engaged in manufacture of high quality electrical connectors used in L.V, M.V and H.V electrical systems. Axis is infact the leading manufacturer of electrical connectors. The products are designed, manufactured, tested and comply with International standards like BS, DIN, UL and IEC. The company is a manufacturer of large range of Electrical Connectors comprising of Copper, Aluminium and Bi-metallic lugs ranging from size 0.5 sq.mm to 1000 sq.mm. Axis connectors can be installed with readily available crimping tools.





Auer Signal

