Contact

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Connect -n- Communicate

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D R SALES

Business Profile

In a view of providing best possible solution to valued customers for their needs of electrical – electronics and Automation parts, **D R Sales** was established in **October 2006** by an experienced and technically competent official with an outcome of more than 13 years of professional experience in various fields of industries.

D R Sales managed by **Mr. Dhaval Mehta (Proprietor)** having more than **3 decades** of an overall hard working experience in small as well as large scale companies. Today by the grace of GOD, excellent support of valued customers and principal companies' D R Sales has become established and trustworthy partner in the market.

Main reason of existence of **D R Sales** is one and only principal of customer satisfaction. We are **D R Sales** work with only one belief. "**Customer is always right**."

We at **D R Sales** strive to provide qualitative- price competitive and up to the mark solution to our valued customers. Our customers are the foundation and our principal companies are pillars of **D R Sales** and because of very strong foundation and strong pillars today **D R Sales** has been able to sustain in this competitive environment. We always strive hard to make foundation wider and pillars stronger to expand our selves.

We at **D R Sales** believe in transparent collaboration with our principals as well as customers. We help our customers in their product material planning, inventory management by following their material planning and schedules, communicating with our principal companies about the future requirements from our valued customers and managing optimum inventory at all the levels. Such micro level planning helps our customers as well as principal companies to mobilize inventory level.

We at **D R Sales** cater to almost all major industrial segments in this region with the best level of quality products, services, price and value added support.

BRANDS WE PROMOTE

hilscher | UL GROUP
HUMMEL | binder
YASKAWA | Top Cable
STEGO | relpol S.A.
PROCENTEC | ORing
LÜTZE | lumberg automation
Helmholz | EATON
BELDEN | eks

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netTAP 50

❖ Cost - Optimized Sustainable design
❖ Allows remove servicing Ethernet Port
❖ Master Functionality to one slave (Modbus RTU / TCP With Protocol Limitations)

netTAP 100

❖ Full Master functionality without any restrictions
❖ Device replacement in seconds via memory card based loading
❖ Master license must be ordered separately (Modbus RTU / TCP with Protocol Limitations)
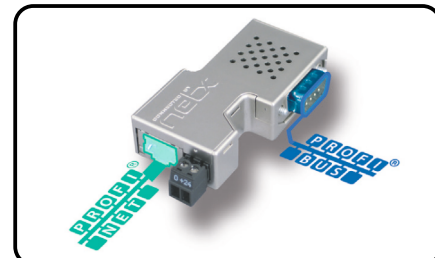
## netLINK Proxy

❖ Profibus to profinet gateway in plug format
❖ Plug and Play PROFINET Certified - Transparently maps the DP unit data incl. acyclic
❖ Integrates a single DP-Slave into PROFINET network
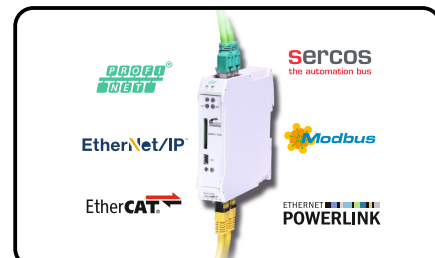
Universal protocol gateway for Real-Time Ethernet conversions

❖ Full Master Functionality without any restrictions with Master/ Slave confi gurable on both sides.
❖ Secure network separation- 2 Ethernet Cards with integrated Switch for various network topologies.
❖ Inbuilt DLR - for EtherNet/IP, MRP Client for PROFINET IO-Device, Media Redundancy for EtherCAT Master
❖ Fast Conversion - Data processing time 5msec maximum.
❖ Memory card for initialization and recovery-fresh device from shelf initialized in 20 seconds.
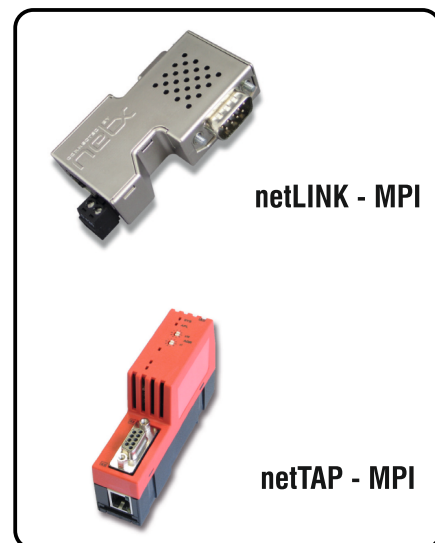
netLINK - MPI | netTAP - MPI

netLINK - MPI

❖ Worldwide Remote Device Management Monitoring, Programming, Visualising,Control etc.
❖ Full Access – No limitation of Data Read / Write
❖ 100% replacement of expensive Ethernet CP
❖ No need of any modification in existing H/W or S/W configuration of site
❖ Very compact – Sits directly on any free PG / PC interface without disturbing existing network
❖ Onboard PG/PC interface available for extension
❖ Cost Effective – Multi dropping of 32 Profibus / MPI devices with 16 TCP connections possible
❖ Ready drivers available for popular applications like Kepware/Matrikon/WinCC etc.
❖ Directly mountable (netLINK MPI) or DIN rail mountable (netTAP-MPI)
❖ Additional OPC UA, MQTT feature support
❖ Upload/Download PLC program

netTAP - MPI
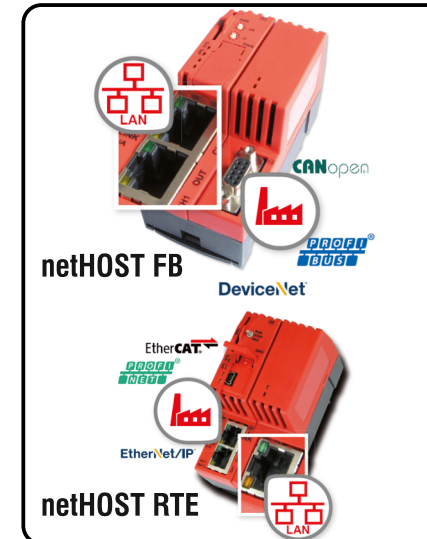
netHOST FB: LAN controlled FB master for DIN rail
netHOST RTE: LAN controlled RTE master for DIN rail

❖ 1:1 Replacement for classic PC cards - Identical API as PC cards
❖ Controlled via simple TCP/IP based access protocol
❖ With application example, TCP/IP driver/coding and DLL as source code

netHOST FB

netHOST RTE

Can be used as:

❖ Plug and Play PC Card
❖ Master Simulator for testing Slaves
❖ Controller for Remote Field Devices
❖ In Dual mode for redundancy operations
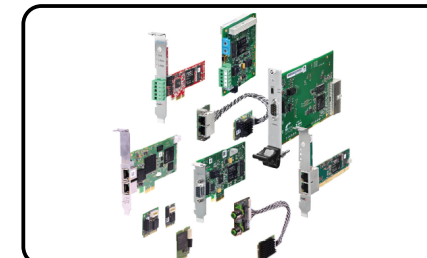
PC Cards

❖ Same API, same driver, same tools for all formats & protocols
❖ One hardware for all Real-Time Ethernet protocols   ❖ Master and Slave
❖ Detached network interface - Different cable lengths for flexible mounting
❖ Extended temperature range   ❖ Rotary Switch for easy and reliable slot assignment
❖ 2-Channel Cards For compact systems with limited internal slots

netMIRROR

❖ Permanent diagnostic access point
❖ Fully passive network access
❖ Real zero delay on the networkside (< 1 ns)
❖ For 10BASE-T and 100BASE-TX networks
❖ The network connection is maintained even when there is no power
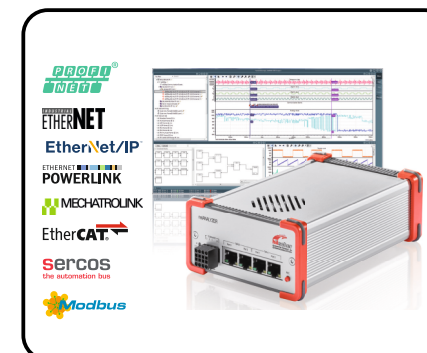
netANALYZER

❖ Comprehensive analysis of Real-Time Ethernet systems
❖ Passive, without impact on network or PLC Intuitive graphical display
❖ Station lists, alarms, process values,network load and jitter measurement
❖ Endless recording via customizable triggers

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Unmanaged Switch

❖ Available in 5/8/16/24 Ports with / without MM / SM FO.
❖ Support auto-negotiation and auto-MDI / MDI-X
❖ DIN - Rail and Wall Mounting Enabled.

Lite Managed L2 Switches

❖ Available in 4/5/6 Ports with / without MM / SM FO.
❖ Supports ring redundancy protocol.
❖ Support Auto-negotation and auto-MDI / MDI-X
❖ Supports fastest redundant ethernet ring protocols.
❖ Supports L2 / L3 Managed Functionality ❖ Available in DIN-Rail and Rack Mount.

Advanced / Managed Smart Grid Certified Switches

❖ Available in 6/8/16/24 Ports with / without MM / SM FO/
❖ Supports fastest redundant ethernet ring protocols
❖ Supports L2 / L3 Managed Functionality
❖ IEC 61850-3 & KEMA Certified Switches. ❖ Modular Designs provide flexibility on CU / FO Ports
❖ Compliant to cyber security standards. ❖ Available in DIN-rail and Rack Mount

Industrial POE Switches

❖ Available in 6/8/16/24 Ports with / without MM / SM FO.
❖ Supports Variant POE Standards of AF / AT / BT
❖ Additional accessories like injector & splitters available
❖ Available in DIN-Rail and Rack Mount.

Industrial Media Converters

❖ Available in 100M/1G Speeds.
❖ Supports auto-negotiation and auto-MDI/MDI-X.
❖ High reliability and rigid metal housing.
❖ Din-Rail and Wall Mounting enabled

Industrial Devices Server

❖ Available in 1/2/4/8/16 serial ports.
❖ Operating Modes: Virtual Com, Serial
❖ Tunnel, TCP Server, TCP Client, UDP and Modbus Gateway.
❖ Support Modbus Gateway: Modbus TCP, Modbus RTU and Modbus ASCII.

### SFP Optical Transceivers

❖ Available in SM / MM with speed of 100 M / IG / IOG.
❖ High operating temperature range.
❖ Distance coverage from 2km to 120km
❖ Wavelength: 850nm, 1310nm, 1510nm, 1550nm.

LIU / Patch Panel

❖ Fully Loaded LIU Box with Splice Trays, Pigtails and Adaptors.
❖ Available in 4/6/8/12/16/24/48 FO Ports
❖ SC/ST/LC Variants in Adaptor & Pigtail.
❖ Available in DIN-Rail, Wall & Rack Mount Options
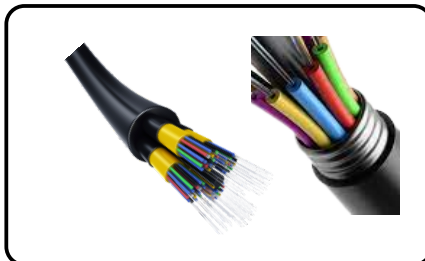❖ Enclosure Type: Metallic / Aluminum
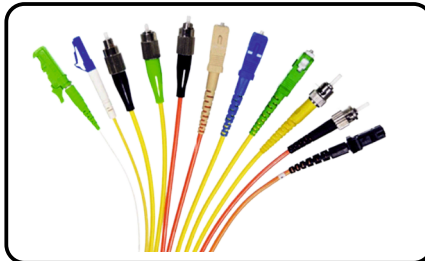
FO Patch Cords

❖ Available in SM & MM
❖ Available in SC, LC, ST, MTRJ - Simplex & Duplex
❖ Length 1,2,3,5,10 Meters
❖ Customization available on demand.

Profibus to FO Converters

❖ Available in Single mode / Multi mode
❖ Robust housing, Compact Design
❖ Supports wide temperature range
❖ Various adapters such as SMA, ST, SC, FC-PC as well as E-2000

Fiber Optic Cable

❖ Available in SM & MM
❖ Available core - 4, 6, 8, 12 & 24
❖ Industrial Grade rugged construction & High Crush Resistance
❖ Suitable for Indoor / Outdoor & Direct Burial Installation

Ethernet Patch Cable

❖ Available in Cat5e, Cat6, Cat6A Variant
❖ Options of Various lengths available
❖ Customization available on demand

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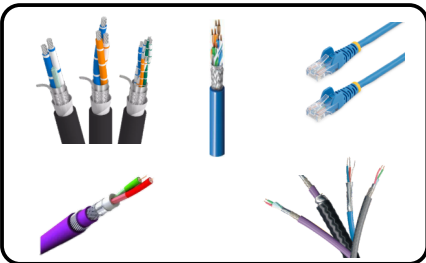
Industrial Connectivity

- ❖ Cable range suitable for almost all industrial applications
- ❖ Cables with PVC, PUR, TPE, Silicon, Rubber, XLPE outer sheath are available
- ❖ Cable suitable for fixed, moving, Drag-chin, Robotic installations are available
- ❖ Entire range of Field bus cable available for fixed as well as drag-chain application
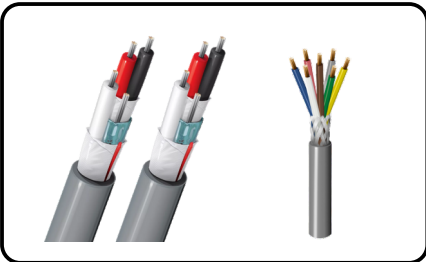
Data Signal Cable

Data and signal cable connects device to sensing or controlling equipments in industrial control system. This cable predominantly used for connecting digital and analog signals in control system applications.

- ❖ Product Range: Unshielded / Shielded, PVC / PUR / XLPE / Halogen Free

Control Cables

- ❖ Cable Suitable for guiding, measuring and controlling application
- ❖ Operating temperature rage suitable for Industry standard
- ❖ Available in PVC/ PUR with Shielded as well as non-shielded versions
- ❖ Available for Fixed / Moving/ Drag-chain/ Robotic/ Halogen-Free applications
- ❖ Available in number coded as well as colour coded versions
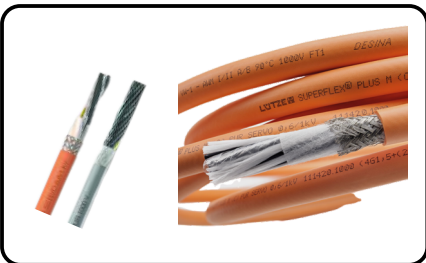
VFD & Servo Cable

- ❖ Flexiable and highly flexing motor connection and energy supply cables as well as system - specific servo and feedback cables and low-capacitance cable for efficient power transfer.
- ❖ Servo cables are suitable for all types of drives, however they are particularly effective for motors with frequency convertors.
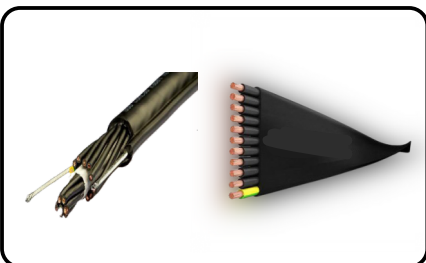
Flat and Pendant Cable

- ❖ Flat festoon cables are designed for continuous flexing applications including festooning systems, cranes hoist, conveyors & robotic systems.
- ❖ Pendant hoist cable are used for control applications, sending signals to overhead cranes and gantries from push - buttons.
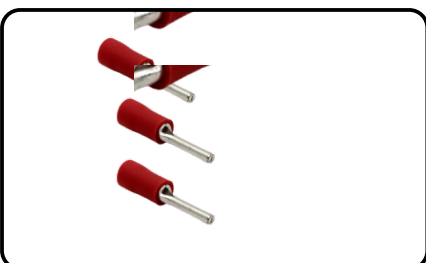
Lugs

Cable lugs are devices used for connecting cables to electrical appliances, other cables, surfaces, or mechanisms. the clamps that connect wires to an automotive battery are a common example of a cable lug, as are the ends of battery jumper cables.
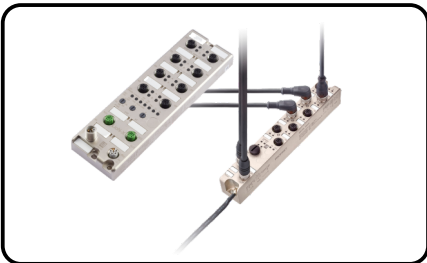
I/O Systems

For intelligent and reliable data transmission, a flexible and cost-effective I/O System is essential. I/O Systems portfolio offers a variety of solutions to meet your needs, ranging from passive distribution boxes, fieldbus and modular I/O Systems to high performance modules.

Sensor / Actuator Cable

Flexible and Robust designs, as well as a remarkably large number of standard and special options, make Sensor / Actuator Connectors Suitable for a wide variety of applications and markets, such as food and beverage, transportation, automotive or material handling.

Power Connector

When it comes to electrical machinery, a reliable and consistent power supply is indispensable. The choice of an appropriate power connector depends on the nature of the application, as well as on your specific requirements.

Valve Connector

When selecting the right valve connectors, reliable and durable performance are just as important as choosing the right design, protection circuitry and accessory. Valve connectors connect solenoid valves, pressure sensors, temperature sensors and flow monitors to voltage supplies or a data network.

Single Pair Ethernet (SPE) Connectors

Compact, industrial-grade SPE products designed to enable the connection from IP-20 controlled environments down to IP-65 / IP-67 harsh industrial areas and tight transportation applications.

Data Connectors Cordset

M8 D-Coded connector products meet the growing needs for miniaturized components to support cyber - physical integration in the IIoT. M8 connectors are 30% smaller than M12 Circular Connector products and provide new flexibility to build Ethernet-based data networks in tight spaces.

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M16 Connectors

❖ Unique feature of high capability with low space requirement
❖ Signal as well as power connectors are available
❖ TWINTUS version is available for small drives
❖ Available with standard as well as TWILOCK quick release fastener version

Signal Connectors – M23

❖ Available in 6 Pole to 19 pole combinations
❖ Panel mount /Straight / Right angle options available in Male as well as Female threads
❖ Connectors available with Standard / TWILOCK / TWILOCK-S quick release threads

Power Connectors – M23

❖ Available in standard as well as hybrid combinations with nominal current capacity up-to 28 Amp.
❖ Panel mount /Straight / Right angle options available in Male as well as Female threads
❖ Connectors available with Standard / TWILOCK/TWILOCK-S quick release threads

RJ 45 Connectors – M23

❖ Suitable for data transfer in extremely rough environment
❖ Compatible with industrial RJ 45 patch cables
❖ Screw lock version is also available

Power Connectors – M40

❖ Available in 6 Pin as well as 8 pins combination with higher current capacity up-to 55 Amp.
❖ Suitable for cable size from 4sqmm to 16sqmm
❖ Panel mount /Straight / Right angle options available in Male as well as Female threads
❖ Connectors available with Standard / TWILOCK/TWILOCK-S quick release threads

Stainless Steel Connectors (INOX)

❖ Specially designed connectors for extremely rough or hygienic area
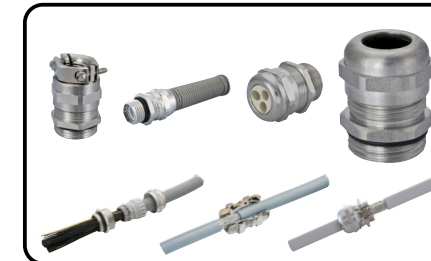❖ Available in M16 and M23 thread size for signals and M23 thread size for Power connections

Polyamide Cable Glands

❖ Cable Glands to be used at high temperature
❖ Glands with multiple cable entry
❖ Glands suitable for Flat Cable
❖ Bending protection cable glands for mounting with 90° Cabling

Metal Cable Glands / EMC Cable Glands

❖ Metal Cable Glands/ EMC Cable glands
❖ Nickel- Platted Brass Cable glands
❖ Cable glands with thread size less than M12 to M110
❖ Simple quick fitting with maximum EMC protection

Polyamide Conduits

❖ Polyamide Standard / Slit Conduits
❖ Polyamide Conduits with temperature range -40° to +120°
❖ Wide range from DN6 to DN50
❖ Available in Black and Grey colours
❖ Suitable fittings and accessories available for proper cable protection

Metal Conduits

❖ Provides best protection in high pressure loads, heat and cold, intense mechanical load and abrasion
❖ Available with exterior metal braiding or PVC coating
❖ Matching metal fittings are available

Cable Glands For Hazardous Area

❖ Cable glands for all popular threads
❖ Suitable for hazardous area Group I/II and III applications
❖ Ex d/Ex e and /or Ex ta certified cable glands are available

Fittings and Accessories

❖ Large selection of fittings and accessories for cable glands and conduits
❖ Available in polyamide as well as metal fittings to provide a perfect match for metal conduits
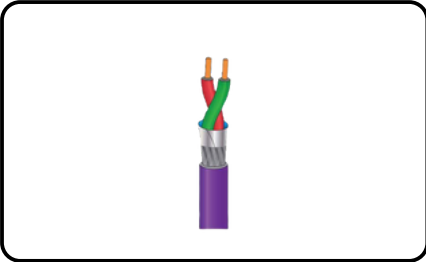
Fieldbus Connectivity – Profibus Cable

❖ Cables for Profibus- DP, PA
❖ Single-Strand/ Multi-Strand/Armoured/Un-Armoured cables
❖ Profibus cable for all possible applications

Fieldbus Connectivity – Profinet Cable

❖ 4/8 core cable with speed of 10/100 mbps
❖ CAT5e / CAT6 cables
❖ ROHS Compliant cable
❖ Available in Standard colour – Profinet Type-A

Fieldbus Connectivity- Profibus Connectors

❖ Heavy duty Metal body/ metallized body with / Without LED Indication
❖ Screw Termination/ IDS Connectivity
❖ 0°, 45°, 180° cable entry available

Fieldbus Connectivity- Profinet Connectors

❖ Quick Connect technology
❖ Heavy Duty Metal housing with transfer rate up to 100 mbps
❖ Cost Effective Metallized Housing
❖ 0°, 45°, 180° cable entry available

Signal Repeaters

❖ Single Port/ Multi Port options are available
❖ DB-9 connectivity for fieldbus connection
❖ Redundant power supply with integrated termination

Diagnostics

❖ Troubleshooting & maintenance
❖ Mobile Combi Analyzer tool
❖ Commissioning Assistance
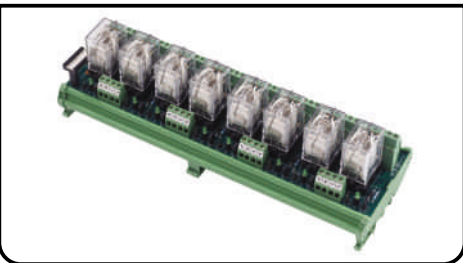❖ Product Testing & Vefification
❖ I/O Testing of Profibus Devices

Permanent Monitoring

❖ Inbuild with ProfiTrace OE & remove I/O
❖ Modular Repeater backbone with hotswap
❖ Intelligent Repeaters
❖ Web based monitoring tool
❖ No software required

Standard Relay Modules 1 C/O- 2 C/O, AC-DC Coil Voltage | Fuse | Fuse - Fail Indication
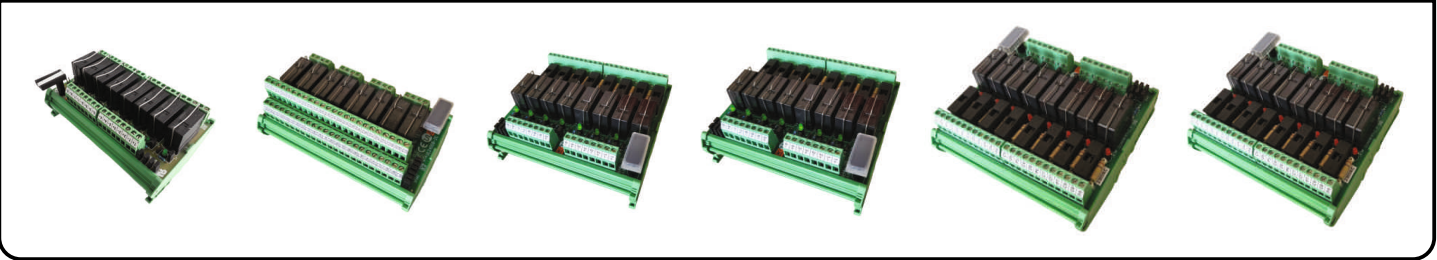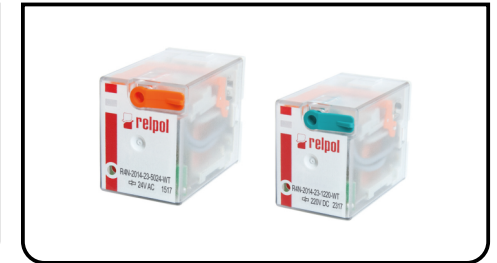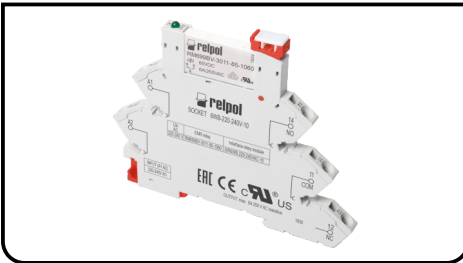
Relay Module, with 4 C/O contact

Solid State Relay Modules

Slim Relay Modules 8/16/32 Channels, 24 VDC Coil Voltage

Relays

Signal Isolators and Multipliers

Current Signal Isolator

Voltage Signal Isolator

Signal Isolating Repeater

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Advantages of Modular Wiring Solutions

Redundant as well as Non-Redundant Application
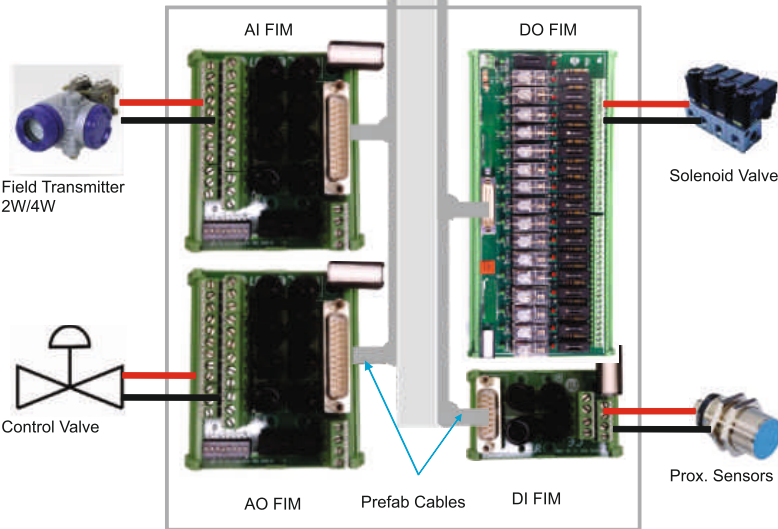

Conventional Wiring Hardware

- Relay
- LED Kit
- Freewheeling
- Diode Kit
- Relay Socket
- Clip
- Fused TB
- Normal TB
- Markers
- Looping

Easy Wiring Cost Optimization

Modular Wiring Hardware

Field Interface module for DI, DO, AI & AO Prefab Cables

AI FIM

DO FIM

Field Transmitter 2W/4W

Solenoid Valve

Control Valve

Prox. Sensors

AO FIM

Prefab Cables

DI FIM

Minimum Inputs required to propose the Modular Wiring Solution

Digital Inputs: (16/32)
- Field Interrogation
- Fuse Protection
- Relay /Opto-Isolation
- Non-red/Redundant
- Prefab Cable length

Digital Output:(16 Ch)
- Relay 1C/O, 2C/O with /without fuse
- Pot Free/Wetted
- Non-red/Redundant
- Prefab Cable length

Analog Inputs: (8/16)
- Fuse Protection
- Isolation (Ch.to Ch)
- Non-red/Redundant
- Prefab Cable length

Analog Output (8 Ch)
- Fuse protection
- Isolation
- Non-red/Redundant
- Prefab Cable length

Digital Input

Digital Output
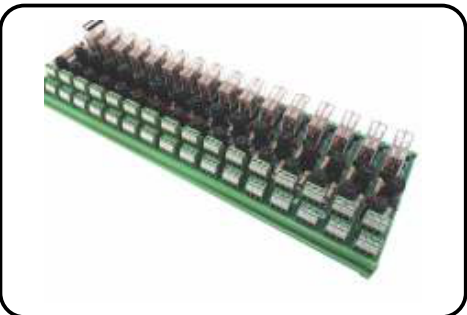
Analogue Input
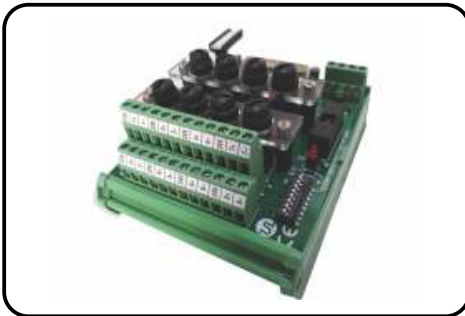
Analogue Output

MPG Box with Selector Switch and Spiral Cable

CNC Interface Modules | CNC Specific I/O Interface Module

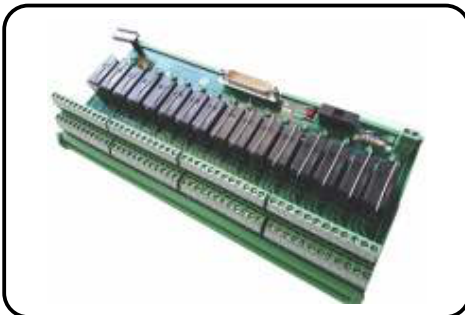**Passive Interface Modules (D Sub to Screw Terminals)**

Passive Interface Module (IDC / FRC to Screw Terminals)
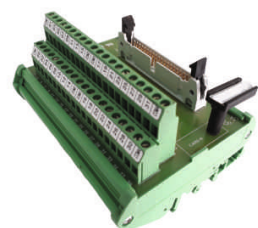
Passive Interface Module (EDAC / ELCO to Screw Terminals)

Utility Module with On / Off Control for Tube Lights and Fans

Power Distribution Module

Diode Oring Modules

Diode Oring Module (Plastic Enclosure)

Fan Failure Detection Module for 2 Fans with Temperature Monitoring

Fan Failure Detection Module for 4 Fans with Temperature Monitoring

Digital Thermostat

Temperature Monitoring Unit

Fan Alarm Assembly

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UL GROUP
Nothing's Complex

CERTIFICATE OF
APPRECIATION

This Certificate of Appreciation is awarded to

M/s D. R. Sales,
Ahmedabad

In recognition of

Partner of Partner in

Financial Year 2017-18

CEO & Director

Date : April 6, 2018

E mail : sales@ulepl.com Website: www.ulepl.com

AWARD

is being presented to

DR Sales

for successfully being in the TOP position
for Most Brands Selling in Financial year 21-22

AWARD

is being presented to

DR Sales

for successfully being in the TOP position
for highest turnover in Financial year 21-22

UL GROUP
Nothing's Complex

Certificate
of Appreciation

This Certificate is Proudly Presented to

D R Sales

for

Large Order Win - 2024

on 21ˢᵗ Day of April, 2024

Prashant Patil
Channel Manager

Vikas Garg
CEO