MANUFACTURING SOLUTIONS

Advancing your facility with industry-leading products

PLCS
HDMI
MOTOR DRIVERS
SENSORS
SWITCHES
TOOLS
PRODUCTION SUPPLIES

Scan the QR Code to discover us on the web
OUR SERVICES

A global electronics distributor that provides you with local support: In person, via phone or online.

Quoting on volume requirements: Dedicated team to assist in quoting you the best possible price.

Not in catalogue sourcing: When product is not available in our range, our team can help you source it directly from the manufacturer.

Parts list upload (BoM manager): Upload your entire parts list or bill of materials with our automated Parts List Upload (BoM) tool.

Product change notification service: Advanced email warning of material change, obsolete, discontinued or end of stock components.

Calibration service: We offer two levels of calibration on new Test & Measurement products bought from us.

Customised enclosures: We offer standard, modification or complete customisation of enclosures to support your design.

YOUR MANUFACTURING PARTNER

Over 80,000 Industrial Automation & Control products.

42 leading manufacturers including Festo, Schneider, ABB, Omega, Honeywell.

Our new Industrial Automation & Control Hub offers dedicated technical resources for IIoT.

Solutions Guides, Whitepapers, Training modules, Podcasts and more.

Over 350k Industrial products for your end-to-end factory facility needs – Test, Tools, PPE, Chemicals and more.
At Newark, we’re really excited about Industry 4.0 and the opportunities offered with IIoT to drive efficiencies in manufacturing. Reducing downtime, improving energy efficiency and productivity whilst reducing costs, offer significant benefits for manufacturers. However, the principles of Industry 4.0 can be complex and knowing where and how to begin is challenging.

At Newark, we are working with some of the biggest suppliers to enable customers of all sizes to take advantage of these concepts and have significantly expanded our range of products to support you in driving greater efficiencies in your manufacturing processes.

Explore our highlights of over 350,000 industrial products online.

Simon Meadmore
VP Product & Supplier Management

TABLE OF CONTENTS

05 INDUSTRIAL AUTOMATION & CONTROL
09 OPTIMISING ENERGY EFFICIENCY
11 FANS & FAN ACCESSORIES
12 FANS & ENCLOSURES
14 POWER
18 RELAYS & FUSES
20 SENSORS
22 SWITCHES
24 TEST & MEASUREMENT
27 TOOLS & PRODUCTION SUPPLIES
31 SINGLE BOARD COMPUTERS
32 CABLES
33 CONNECTORS

Scan the QR Code to explore IAC online
A comprehensive selection of products framed into design situations, latest news and trends, design tools and resources to enable you to move from block diagram concept to solution for your vertical segment applications.
INDUSTRIAL AUTOMATION & CONTROL

CAM POSITIONER, H8PS SERIES, FLUSH MOUNT, PNP TRANSISTOR OUTPUT

The H8PS88BP is a 8-output flush-mounting Cam Positioner with PNP transistor output. It is popular for its ease-of-use and offers highly visible display with backlit negative transmissive LCD and advance angle compensation function to compensate for output delays.

Order Code 38B702

CONTROLLER, RELAY, 4 ANALOG I/P, 8 DIGITAL I/P, 4 DIGITAL O/P, 12/24 VDC, EASYE4 SERIES

EASY-E4-UC-12RCX1 is an easyE4 basic control relay. Expandable with the easyE series of digital input/output expansions with easy-E4 CONNECT1 connector.

Order Code 52AH6820

EASY4 CONTROL RELAY

Control Relay W/Display, 8 I/P, 4 O/P, No. of Digital Inputs:8; No. of Digital Outputs:4; Product Range:easyE4 Series

Order Code 52AH6811

DIGITAL OUTPUT MODULE

Digital output modules are available in the following variants: 4 DO, 8 DO with 2- and 5-wire technology, 16 DO with or without PLC interface connection. They are mainly used for the incorporation of decentralized actuators.

Order Code 95Y6643

EIO DROP ADAPTOR, WITH ETHERNET BACKPLANE, 3 PORT, IP20, MODICION X80 SERIES

Modicon X80 range, a common platform of modules for Modicon M580 and M340 Programmable Automation Controllers (PAC). This Ethernet Remote Input Output (RIO) drop adaptor has 3 ports with Ethernet backplane.

Order Code 73Y6791

PLC, MILLENIUM 3, CUSTOM COMPACT RANGE, 12 INPUTS, 8 RELAY OUTPUTS, 24 VDC, TYPE CB20

The 88974031 is a programmable Logic Controller (PLC), an efficient and economical version without display or keys setting. It allows the use of the entire library of specific functions blocks of the software workshop.

Order Code 64R1065

COMPACT SMART RELAY, 16 I/O, 24V

Compact smart relays for simple automation systems from 10 to 40 I/Os. The compact smart relay provides a real alternative to solutions based on cabled logic or specific cards. It comes with display and clock.

Order Code 24AJ2238

DIGITAL I/O MODULE

The easyE4 control relays can be used within many different projects meeting your requirements for a flexible, modular system.

Order Code 52AH6813

EDGE CONTROLLER

Controller, 2 x ENET/3 x USB/HDMI/CAN/O/D/CAN; No. of Digital Inputs/Outputs: 4; Product Range: 752 Series

Order Code 48AJ8311

DIGITAL OUTPUT MODULE

Digital OUTPUT MOD, 8O/P, RELAY, 2A/250V; IP / NEMA Rating:IP20; Supply Voltage: No. of Digital Outputs:8; Product Range:NX Series

Order Code 78AC3599

PROGRAMMABLE RELAY, ZEN SERIES, STANDARD, 6 INPUTS, 4 RELAY OUTPUTS, 12 TO 24 VDC, LCD DISPLAY

The ZEN-10C1DR-D-V2 is a Programmable Relay with increased functionality and higher precision. This single CPU unit easily provides relay, timer, counter and time switch functions.

Order Code 22M4073

INDUSTRIAL IOT 4G LTE ROUTER & GATEWAY

The ICR-3200 LTE gateway is the perfect way to connect IP or serial devices to a cellular network. Industrial M2M and IoT applications include kiosks, industrial PCs, HMIs, traffic controllers, meters, UPS systems, and much more.

Order Code 52AH6899

INDUSTRIAL IOT ROUTER AND GATEWAY

The ICR-3200 4G LTE gateway is the perfect way to connect IP or serial devices via a cellular network. Industrial M2M and IoT applications include SCADA, industrial PCs, HMIs, traffic controllers, CCTV, meters, kiosks, UPS systems, and much more.

Order Code 77AK4359

WIRELESS I/O MODULE

WISE-4610-NA is a LoRaWAN IoT wireless modular I/O. WISE-4610 features a wireless sensor node based on LoRa network technologies targeting outdoor applications. It provide wireless communication coverage of 5 kilometers and has a long battery life.

Order Code 81AH0334

CPU MODULE PLC

The FL1F-H12RCA is a 6th-generation SmartRelay CPU Base Module that offers functions to give you even more flexibility and convenience. Advances include extended memory, a brighter display, improved analogue and high-speed inputs, an external text display and upgraded programming software.

Order Code 72Y0238

77AK4359
INDUSTRIAL LORWANN GATEWAY

The WISE-6610 is a high-performance LoRaWAN gateway that offers reliable connectivity for industrial environments. It supports the LoRaWAN protocol for building LoRaWAN private and public networks, as well as various protocols including MQTT.

Order Code 54AH9768

MULTIHOP ETHERNET DATA RADIO

DX80ER9M-H is a Sure Cross® Multihop Ethernet data radio wireless industrial automation device used to create point to multipoint configurations of wireless Ethernet networks. It provides extremely reliable communication in large plants, over long distances, or through difficult terrain.

Order Code 75X9215

SWITCH, 5 PORTS, INDUSTRIAL, UNMANAGED FAST ETHERNET, DIN RAIL, RJ45 X 5, 10MBPS, 100MBPS

1240840000 from Weidmüller is a fast Ethernet switch with 5 RJ45 ports. This rugged hardware design is well suited for hazardous locations (Class I Div. 2 /ATEX) and maritime environments (DNV/GL).

Order Code 44T5715

SWITCH, 4 PORTS, INDUSTRIAL, MANAGED FAST ETHERNET, DIN RAIL, RJ45 X 1, 10MBPS, 100MBPS

The GEOXO 4TX is an industrial Ethernet Switch ideally suited for use in smaller networks or on the edge of larger installations. The device guarantees reliable data communication and enhanced redundancy and diagnostic features.

Order Code 75X8161

NEON INDICATOR, ORG, RECTANGULAR, 250VAC ROHS COMPLIANT: YES

To maintain design continuity, these switch sizes, panel mounts, and indicators can be installed next to switches on a panel. Ideal for many uses, including as control panels, office equipment, and HVAC systems.

Order Code 85AJ3426

LIQUID LEVEL CONTROLLERS

Fully automatic operation enables both draining and filling simultaneously with a single device. Adjustable sensitivity level from 1k to 200k Ohm, 10VAC, 240VAC & 400VAC supply voltage options.

Order Code 69AK8673

MULTIHOP ETHERNET DATA RADIO

DX80ER9M-H is a Sure Cross® Multihop Ethernet data radio wireless industrial automation device used to create point to multipoint configurations of wireless Ethernet networks. It provides extremely reliable communication in large plants, over long distances, or through difficult terrain.

Order Code 75X9215

SWITCH, 8 PORTS, INDUSTRIAL, UNMANAGED GIGABIT ETHERNET, DIN RAIL, RJ45 X 8

Unmanaged industrial Ethernet switches provide a full Gigabit Ethernet non-blocking switch with 8 ports, a nominal voltage of 24V, 48V, and an operating temperature range of -40 to +70 degrees Celsius.

Order Code 36AJ7010

SWITCH, 8 PORTS, INDUSTRIAL, ETHERNET, DIN RAIL, RJ45 X 8, 10MBPS, 100MBPS, 1Gbps

This unmanaged industrial ETHERNET switch (852-1112) has 8 Gigabit ETHERNET ports for easily setting up small- to medium-sized networks. Its slim design paired with a DIN-rail adapter simplifies installation in the control cabinet and provides high vibration and shock resistance.

Order Code 08AC2192

NEON INDICATOR, ORANGE, 10MM, DOME, 250V ROHS COMPLIANT: YES

Panel Indicator Lights – indicator lights are an important visual component on many applications. These are 250V neon indicators, available in red, green or amber, with 10mm cut-out.

Order Code 85AJ3429

IPS TFT DISPLAYS – SCREEN SIZES FROM 4.3” TO 15.6”

These next-generation of IPS TFT displays offer a simple & fast method to integrate a display into your product via an LVDS conversion module on board. Ideal for use with Raspberry Pi, UP or iBASE computers.

Order Code 59AK7440

THREE PHASE RELAYS

These three-phase relay modules are designed for applications such as motor control, HVAC systems, and industrial automation. They are available in various models with different coil voltages and contact configurations.

Order Code 69AK8668

PTC THERMISTOR RELAYS

Uses integrated PTC resistors to monitor and protect Motors against over heating under heavy duty load, high switching frequencies and high operating temperatures & insufficient cooling conditions.

Order Code 69AK8671

THERMOSTAT

The mechanical thermostats KTO 111 and KTS 111 are two state regulators for use up to 5,000 meters in altitude, thanks to optimized air gap and increased creepage distance. By use of Push-in terminals the thermostat is wired tool-free.

Order Code 24AJ5671

DIGITAL TIME SWITCHES

Precise time programming for astro / daily / weekly / pulse switching. 16A single and dual relay outputs, 12/24 hour display format, 6 years battery reserve.

Order Code 69AK8651

DEVICE SERVER, ETHERNET TO SERIAL, 4 PORT, RS-232, 230400 BAUD RATE

A web interface allows secure configuration and control of the serial ports over a local network or the internet using any browser. For Windows our in-house designed (32 bit and 64 bit) driver gives you local COM ports.

Order Code 92T1122

OPEN FRAME TFT DISPLAYS

Choice of 7”, 10.1”, 10.4” and 12.1” active displays within a metal frame that are ideal for use with SBCs, as an HMI or with any device which has an HDMI output. The displays have a projected capacitive touch, HDMI interface, automatic dimming and support Rear or VESA mounting.

Order Code 69AK8708

OPEN FRAME TOUCHSCREEN

Choice of 7”, 10.1”, 10.4” and 12.1” active displays within a metal frame that are ideal for use with SBCs, as an HMI or with any device which has an HDMI output. The displays have a projected capacitive touch, HDMI interface, automatic dimming and support Rear or VESA mounting.

Order Code 69AK8708

OPEN FRAME TOUCHSCREEN

Choice of 7”, 10.1”, 10.4” and 12.1” active displays within a metal frame that are ideal for use with SBCs, as an HMI or with any device which has an HDMI output. The displays have a projected capacitive touch, HDMI interface, automatic dimming and support Rear or VESA mounting.

Order Code 69AK8708
**MOTOR STARTER, MANUAL, 3 POLE, 4A, 690 VAC, IP20/I0K4**

GP2E08 is a 3-pole (3P), 4A/690V, for 3-phase motor applications 1.1-1.5kW@400V. It provides thermal-magnetic protection with a thermal setting range of 2.5–4A, magnetic tripping at 13xIn, and a high breaking capacity Icu 100kA@400V.

Order Code 43AJ7142

**INVERTER DRIVE, MICRO, 3-PH, 1.5KW**

The ACS150 drives can be integrated into a broad range of devices, including pumps, fans, mixers and conveyors. Drive selection and setting are made simple by the ACS150 drives' integrated user panel, potentiometer, and numerous other features, like pre-defined connection macros.

Order Code 97Y9098

**TESYS U STANDARD CONTROL UNIT**

The LUC205BL is a 3-phase 5A plug-in front side mounting standard Control Unit for use in overload and short-circuit basic protection requirements of motor starters. It is compatible with the ASILUFC5, ASILUFC51, LULC00, LULC03, LULC033, LULC07, LULC08, LULC09 and LULC15 communication modules.

Order Code 89H5223

**DC MOTOR**

maxon

EC 45 flat Ø42.8 mm, brushless, 50 Watt

Order Code 15R2903

**STEPPER MOTOR**

The 418BM-01RO is a 1.58” bipolar torque Steeper Motor for high and low speed applications.

Order Code 16M4197

**PNEUMATIC FLOW CONTROL**

Legris pressure regulator fittings are used to stabilize at a given value the pressure applied to pneumatic equipment, whatever the fluctuations of pressure upstream.

Order Code 35M2246

**PNEUMATIC VALVE CONTROL**

The 81921701 is a miniature pneumatic Position Detector and control by lever with plastic roller. It is made of Zamak body material and 8bar maximum operating pressure.

Order Code 34B3827

**HMI TOUCH SCREEN, 4.3”, TFT LCD, 24VDC**

The HMI70TS35 is a compact touchscreen operator interface (HMI) with a 4.3” color TFT LCD display with 480 x 272 pixels and 26MB EPROM. It is powered by 12V to 24V DC.

Order Code 66AH6149

**MULTICOMP PRO ASM-1900156-11 DEVELOPMENT BOARD ENCLOSURE, RASPBERRY PI 4 MODEL B**

Raspberry Pi 4 white colour case assembly is a high quality ABS case designed specifically for the Raspberry Pi 4 Model B and the official touchscreen to be used as a single unit.

Order Code 07AH2046

**TEMPERATURE CONTROLLER**

The thermistor/RTD temperature controllers from Autonics are a 4-digit single display PID Temperature Controller. The TC series is one of the most temperature controlling solution with essential functions and improved performance.

Order Code 22T3613

**ANALOG PANEL METER**

The PM-50 meters are designed to increase operator productivity, expose critical plant-floor data, and aid in project scheduling and process improvements. Easily readable intuitive graphical display. Secondary displays provide even more data.

Order Code 72AJ5676
HMI TOUCH SCREEN, 1280X 1024P, 17”

The Advantech TPC-1751TB thin-client terminal delivers high-performance computing in a compact, fanless system, thanks to its 17” XGA TFT LCD, low-power Intel® Atom™ E3845, 1.91GHz quad-core processor, and 4 GB of DDR3L SDRAM.

Order Code 73AH9561

SMART GRAPHICS DISPLAY

The OM-5GD Series is a family of panel meters with smart graphics display. The configuration software is compatible with Windows® XP (SP3), Vista, 7 and 8 and can be downloaded free online at OMEGA.

Order Code 39AH7190

CURRENT SHUNT, DC AMMETER, 10 A, 0.25 %, -20 °C, 60 °C, FN SERIES

The FN-10-50 is a Switchboard Shunt with extending measurement of currents beyond available limits of self-contained DC ammeters. It is recommended that shunt will not run at more than two-thirds (2/3) the rated current under normal conditions as per IEEE standards.

Order Code 93B9571

POWER ANALYZER METER

The WM20A0VSH from Cargo Gavazzi is a power analyzer. It is a modular power analyzer for single, two and three phase systems. This power analyzer is made up of a main unit that displays measurements on LCD displays, digital output module and communication module.

Order Code 14AC1831

POWER METER

APM-PWR-APO is a APM power meter for single-, split- and 3-phase applications. It measures active (W), reactive (VAR) and apparent (VA) power. User-programmable scale and custom alarm messages display critical parameters and immediately alerts operators when a parameter is out of range.

Order Code 40AH1874

SAFETY LIGHT CURTAIN

MINI-ARRAY BASIC Two-Piece Measuring Light Curtain, configured for material handling and logistics applications with auto-stream serial output, discrete outputs, and ExA-485 communication.

Order Code 08AK8953

PART SENSING LIGHT SCREEN

The LX3RO emitter and receiver pair produce a strobed web of modulated light beams in 12 lengths and two sensing ranges. Simple, economical and highly reliable means of sensing small parts or flat items which pass anywhere through the light screen.

Order Code 99H0171

ANALOG TIMER

The GTSY-4SNIWA100 is an ON-delay SPDT Analog Timer with plug-in termination and 4-changeover relay. The GTSY series timer uses the same sockets and hold-down clips as IDEC’s RY4S and RU series relays, 4 time ranges, power ON and timing out LED indicators and control settings by hand or screwdriver.

Order Code 66F4213

H3CA SERIES TIMER

The CX202A6 is a Microprocessor Timer with 199.99 seconds to 199.99 hours delay. Supports On-delay/standard start, OFF-delay/reverse start, interval/one-shot, asymmetrical repeat cycle. Timer is housed in a standard 15 terminal CYCL-FLEX® plug-in case.

Order Code 01B2134

DIGITAL TIME SWITCHES

Digital (anologue-style) time switch, daily/weekly programming can be programmed in “Classic” mode via the joystick, or “Smart” mode via smartphones with NFC communication, they have minimum time interval setting - 30 minutes and are easily configurable for daily or weekly programming.

Order Code 10AC9866

COUNTER

The CUB4L020 is a Miniature Electronic Counter with red backlight display. It has a lightweight, high impact plastic case with a clear viewing window. The sealed front panel with the silicone rubber reset button meets NEMA 4X/IP65 specifications for wash-down and/or dusty environments, when properly installed.

Order Code 46M3293

ISOLATED SWITCH SIGNAL CONDITIONER

The KFA5-SR2-EX2.W is a 2-channel isolated barrier Switch Amplifier used for intrinsic safety applications. It transfers digital signals (NAMUR sensors/mechanical contacts) from a hazardous area to a safe area. The proximity sensor or switch controls a form-C changeover relay contact for the safe area load.

Order Code 73CS818

PRESSURE GAUGE

DPG104 is a battery powered digital pressure gauge, used for easy on-site installation. The DPG104 uses a high-precision piezo-resistive pressure sensor.

Order Code 32AH9141
How to Optimise Energy Efficiency in Factory Production Systems?

Electric motors are the main power units behind almost all automation devices in production plants. Over 40 percent of generated electricity is consumed by industry and two-thirds of energy is used by electric motors. Losses are an inevitable part of running a motor and they directly affect efficiency. Losses are minimised by using higher cutting edge motor designs, proper motor control selection, and considering the torque of the motor in high-precision automated production systems.

Figure 1 describes the main elements in an automated machine or process found in a modern factory. The efficiency of the motors and the whole production process is determined by multiple control layers. The first control layer adjusts the power inverter switching sequence to manage the motor voltage and current and enhance torque production efficiency. Next is the position and speed controller that operates the machine efficiently. In process equipment, this could be a sequence of speed or position orders to perform an assembly function, whereas, in automation equipment, this could be a sequence of speed or position commands to execute an assembly function.
In the latter scenario, the response time of the speed control will be more critical to the machine controller than torque production efficiency. As multiple motors are now synchronised across high-speed data networks that are also connected to the factory network, the communications and systems layer is becoming increasingly important.

The torque produced per amp supplied at any given speed and terminal voltage influences motor efficiency. Torque is generated by electric motors by forces that tend to align their internal magnetic fields. When the stator currents are synchronised with the rotor motion to maintain continuous field misalignment, AC motors produce constant torque. The frequency of the motor currents is closely connected to the ac motor speed, therefore speed regulation necessitates the use of a variable frequency voltage source, such as VSDs or VFDs.

When the rotor-stator field misalignment is at its maximum, the efficiency is maximum. Motor efficiency also depends upon motor construction and particularly the rotor field structure. Permanent magnet synchronous motors (PMSM) are more efficient, since no current is required to magnetise the rotor field. Because of their prominent magnetic core construction, ultrahigh efficiency interior permanent magnet (IPM) motors generate additional torque.

**Using soft starters in AC induction motors:**

When starting, the AC Induction motor develops more torque than is required at full speed. This stress is transferred to the mechanical transmission system, causing excessive wear and premature failure of chains, belts, gears, mechanical seals, and other components. Rapid acceleration also has a significant influence on electricity supply charges, with high inrush currents drawing +600% of the normal run current. The use of Star Delta only provides a partial solution to the problem. If the motor slows down during the transition time, the high peaks will be repeated and may potentially exceed direct on line current. Soft starters provide a reliable and economical solution to these issues by delivering a controlled release of power to the motor, resulting in smooth, step-less acceleration and deceleration, as illustrated in Figure 2.

As damage to windings and bearings is reduced, motor life will be extended. Soft Start & Soft Stop is incorporated into three-phase systems, allowing for regulated starting and stopping with a selection of ramp times and current limit settings.

**By adopting predictive and condition monitoring:**

Condition Monitoring (CM) is the monitoring of several parameters such as equipment vibration and temperature to identify potential concerns such as misalignments or bearing failures. When a vibration analysis reveals a change in the harmonic frequency of rotating equipment components, condition monitoring tools can map equipment degradation.

Frequency analysis can be performed using both vibrometer and microphone data. Continuous Predictive and Condition Monitoring techniques might be used on a range of equipment, including compressors, pumps, spindles, and motors, and they can also be used to detect partial discharge on machines or vacuum leaks. This analysis helps factories to maximise efficiency and equipment availability whilst lowering costs.

**Improving efficient motion control with precision isolation and effective communications:**

The combination of precision in motion control and communication timing enables shorter machine production cycles and reduces the amount of energy consumed to manufacture each part. PMSM service motors and drives designed for fast response and high precision in speed and position control are used by drive manufacturers to assist automation applications.

The use of high-speed magnetic isolation technology allows for the safe isolation of analog and digital signal voltages without sacrificing speed or precision. Precision analog-to-digital converters integrated into the encoder position offer position feedback with up to a 24-bit resolution, enabling high dynamic velocity control at rates as low as 1 RPM.

This level of performance is appropriate for automation applications such as multiaxis milling of precision machine parts, assembly of fine geometry integrated circuits, and injection molding of cell phone parts. Furthermore, to ensure control precision, the motors’ motion timing should be perfectly synchronised, because a timing error directly translates into a trajectory error in multiaxis position control.

Industrial Ethernet protocols, such as PROFINET and EtherCat, use modified Ethernet network interfaces to support real-time data synchronisation with clock jitter as low as 1μs. These network interfaces support both synchronised motion control and factory network connectivity for production system management.
4600N – AC AXIAL FAN

AXIAL FAN, 119MM x 119MM x 38MM, 115VAC; Nominal Rated Voltage AC:115V; Fan Frame Type:Square; Fan Frame Size:119mm; External Depth:38mm; Bearing Type:Sleeve Bearing; Air Flow – CFM:105.9CFM; Noise Rating:50dBA; Power Rating:18W

Order Code 86K9858

W2E250-HEL06-01 – AC AXIAL FAN

The W2E250-HEL06-01 is a 230VAC Axial Fan with a wall ring, ball bearing, terminal power connection and 1-phase 2-pole motor with operating capacitor. Sheet steel, coated in black impeller, die-cast aluminum wall ring, variable cable exit.

Order Code 11J4700

AHCI010E, CORROSION INHIBITOR EMMITER

Corrosion Inhibitor, Enclosure; Corrosion Type: Corrosion Protection; Corrosion Protection; Corrosion Applications: Electrical Enclosures, Boxes, Consoles and Wireways; Dispensing Method: Capsule

Order Code 06B4646

ADSV2536BK, RACK SHELF

SHELF, ADJ, STEEL, 1U, 25” X 19”, BLACK; Rack U Height:1U; External Width – Metric:483mm; External Depth – Metric:914.4mm; For Use With: Hammond Racks & Rack Cabinets; External Width – Imperial:19”; External Depth – Imperial:36”

Order Code 58Y6780

3231, METAL ENCLOSURE

BOX, SHIELDED, ALUMINUM, BLUE; Enclosure Type:Multipurpose; Enclosure Material:Aluminum; External Height – Metric:35.05mm; External Width – Metric:61.7mm; External Depth – Metric:29mm; Body Color:Blue; External Height – Imperial:1.38”

Order Code 35F3504

RER125-19/14N – FAN BLOWER

The RER125DC series compact DC Centrifugal Fan for electronics cooling with unbeatable high-pressure specialists in centrifugal design with 90° air deflection and carefully optimized impellers. Ideally match for highly compact 1U and 2U rack-mount servers.

Order Code 86K9748

OD3010-12BB01A – DC AXIAL FAN

OD3010 Series, DC Fan – 5V, 12V; Square, Frame and impeller: PBT, UL94V-0 plastic, Connection: 2x Lead wires 28AWG, Motor: Brushless DC, auto restart, impedance and polarity protected.

Order Code 89AH2547

R2E220-AA40-23, FAN BLOWER

AC Motorized Impeller, 220MM x 63MM, 230VAC; Blower Type: Motorized Impeller; Supply Voltage: 230VAC; Voltage Type: AC; Fan Frame Size: 220mm; External Depth: 63mm; Air Flow – CFM:530CFM; Air Flow – m³/min: 14.84m³/min; Noise Rating: 74dBA

Order Code 88K2785

Ahci010, Corrosion Inhibitor, Enclosure; Corrosion Type: Corrosion Protection; Corrosion Applications: Electrical Enclosures, Boxes, Consoles and Wireways; Dispensing Method: Capsule

Order Code 06B4646

B-308, MOUNTING BRACKET

MOUNTING BRACKET, C-300 SLIDES, STEEL; Enclosure Material:Steel; External Height – Metric:44.2mm; External Width – Metric:164mm; For Use With:C-300 Series Slides; External Height – Imperial:1.74”; External Width – Imperial:6.5”

Order Code 51F4073

D-329, CABLE ORGANIZER

CABLE CARRIER, STEEL, CLEAR; Cable Organizer Type:Two Point Mount Cable Carrier; Product Range:D-329 Series Cable Carrier; Colour:Clear Zinc Plating; External Height:30”; External Width:1.5”; Material:Steel

Order Code 51F4102

5214NH – DC AXIAL FAN

The 5214NH is a 24VDC standard or basic high speed Axial Fan with speed signal, ball bearing and wire leaded power connection. Fibreglass-reinforced plastic (PBT) housing and fibreglass-reinforced plastic (PA) impeller.

Order Code 86K9875

4300 SERIES

DC Axial Fan, 48 V, Square, 119 mm, 55 mm, Ball Bearing, 100.1 CFM

Order Code 86K9852

88K2785
2406KL-05W-B59-L50, DC AXIAL FAN,

DC FAN, AXIAL, 60MM X 60MM X 55MM, 24V; Supply Voltage VDC:24V; Fan Frame Type:Square; Fan Frame Size:60mm; External Depth:55mm; Bearing Type:Ball Bearing; Air Flow - CFM:18.3CFM; Noise Rating:34dBA; Power Rating:2.4W.

Order Code
27M3349

34561-484, THREADED INSERT

THREADED STRIP M3, 84HP 43.3MM, STEEL; Accessory Type:Threaded Insert; For Use With Horizontal Rails; Product Range:EuropacPRO, PropacPRO, CompacPRO and RatiopacPRO Series

Order Code
64T9880

AD1224UB-F51, DC AXIAL FAN

AXIAL FAN, 120MM x 120MM x 38MM, 24VDC, 380MA; Supply Voltage VDC:24V; Fan Frame Type:Square; Fan Frame Size:120mm; External Depth:38mm; Bearing Type:Ball Bearing; Air Flow - CFM:120.109CFM; Noise Rating:48dBA; Power Rating:9.12W

Order Code
58P0883

ASB0412LA-A - DC AXIAL FAN

12 V, Square, 40 mm, 10 mm, Sleeve Bearing, 9.505 CFM

Order Code
77AH7294

ABND1000, DIN MOUNTING RAIL

DIN MOUNTING RAIL, 35MM, ALUMINIUM; Accessory Type:DIN Mounting Rail; For Use With BNH/BN Series Terminal Blocks; Length:1m; Rail Material:Aluminium; Fixing Centers:5mm

Order Code
96F6501

DAH1001A, ELECTRIC HEATER

ELECTRIC HEATER, 100W, 0-F-100-F, 115V; Voltage Rating VAC:115V; Output Power:100W; External Height - Metric:159.7mm; External Width - Metric:102mm; External Depth - Metric:15mm; Bearing Type:Ball Bearing; Air Flow - CFM:240CFM; Noise Rating:56dBA; Power Rating:32W

Order Code
19M8419

A6AXFN, AC AXIAL FAN

AXIAL FAN, 149MM x 162MM x 38MM, 115VAC, 360MA; Nominal Rated Voltage AC:115V; Fan Frame Type:Circular; Fan Frame Size:172mm; External Depth:38mm; Bearing Type:Ball Bearing; Air Flow - CFM:240CFM; Noise Rating:56dBA; Power Rating:32W

Order Code
92F089

ATEM SERIES

Thermostat, 120 VAC, 15 A, NC, -49 °F to 76 °F; ATEM Series

Order Code
90A44544

EFB0512LA - DC AXIAL FAN

DC Axial Fan, 12 V, Square, 50 mm, 10 mm, Ball Bearing, 7.5 CFM

Order Code
EFB0512LA

R2E220-AB08-12, FAN BLOWER

AC MOTORIZED IMPELLER, 220MM x 63MM x 38MM, 115VAC, 360MA; Nominal Rated Voltage AC:115V; Fan Frame Type:Square; Fan Frame Size:220mm; External Depth:73mm; Air Flow - CFM:629.5CFM; Air Flow - m³/min:17.825m³/min.

Order Code
75C9660

RM-14212, 19” CASE

CHASSIS, RACK MOUNT, 4.281IN, ALUMINIUM; Rack U Height:3U; Enclosure Material:Aluminium; Cabinet Style:Rack Mount; External Height - Metric:153.4mm; External Width - Metric:465mm; External Depth - Metric:437mm; Body Color:Unfinished

Order Code
06M4780

ASB0412VHA-AF00 - DC AXIAL FAN

12 V, Square, 40 mm, 10 mm, Sleeve Bearing, 9.505 CFM

Order Code
77AH7296

C-300-S-124, SLIDE

TELESCOPING SLIDE, 25IN, STEEL; Length:24”, Extended Length:25”, Bearing Style:Solid; Carrying Capacity:85lb; Product Range:C-300 Series Solid Bearing Slide; External Depth:0.49”

Order Code
95B6957

CWB-15101, MOUNTING BRACKET

WALL BRACKET, METAL CORNER, 13"X3"X2.7”; Enclosure Material:Galvanized Steel; External Height - Metric:68.88mm; External Width - Metric:76.2mm; For Use With:BUD Industries 3” to 14” Plastic Enclosures; External Height - Imperial:2.7”

Order Code
34AK3832

4600N-466, AC AXIAL FAN

FAN, AXIAL, 119MM, 115VAC; Nominal Rated Voltage AC:115V; Fan Frame Type:Square; Fan Frame Size:119mm; External Depth:38mm; Bearing Type:Sleeve Bearing; Air Flow - CFM:629.5CFM; Air Flow - m³/min:17.825m³/min; Nominal Rated Voltage AC:115V; External Height - Metric:159.7mm; External Width - Metric:102mm; External Depth - Metric:15mm; Noise Rating:34dBA; Power Rating:2.4W

Order Code
03P9511
Standard Power Solutions

Enclosed Type
- LRS/SE/RS/ RD/RT/RQ Series
- HRP-N3 Series
- UHP Series
- HEP Series
- RSP/RST/SHP Series

DIN Rail Type
- MDR Series
- HDR Series
- SDR/NDR/EDR WDR/TDR Series
- DRS Series
- DRC Series

PCB Type
- EPS/EPP/ PSC Series
- IRM/MPM/ MFM Series

Smart Controller
- CMU2 Series

System Power
- Dxx-3200 Series

DC/DC Converter
- RSD Series
- DDR/DDRH Series
- NSD/NID Series
- Module Type

Charger & Inverter
- NPB/NPP Series
- PBP/RCB Series
- ENC Series
- GC Series
- NTS/NTU Series

www.meanwell.com
**AC/DC PCB MOUNT POWER SUPPLY (PSU), FULL BRICK, ITE, 1 OUTPUT, 160 W, 24 V, 6.66 A**

The RBC94-2U is a 48V/2U UPS replacement Rechargeable Battery. Cartridges breathe new life into UPS systems suffering from expired or weak internal batteries.

Order Code 06M3056

**EV PEDESTAL, SINGLE PORT, WALL CHARGER**

Recharge your electric vehicle faster and cost effectively with Eaton Green Motion EV single port pedestal charger. Multiple installation options that maximize flexibility.

Order Code 63AK2674

**AC/DC DIN RAIL POWER SUPPLY (PSU), 1 OUTPUT, 50.4 W, 12 VDC, 4.2 A**

The DRB-50-12-1 is a 12V/50.4W 1-output DIN-rail mount Power Supply features an ERP compliant design, compact size, high efficiency, low no load power draw, convection cooled and hiccups with auto recovery overcurrent protection. This power supply output is adjustable.

Order Code 18X3671

**AC/DC OPEN FRAME POWER SUPPLY (PSU), ITE & MEDICAL, 1 OUTPUT, 40 W, 90V AC TO 264V AC**

The ECM range of single and multiple output AC-DC 40-60 W power supplies from XP feature the world’s smallest footprint for units of these ratings. Both are just 2” x 4” (50.8 mm x 101.6 mm) and 1.2” (30.48 mm) high.

Order Code 71J0110

**AC/DC OPEN FRAME POWER SUPPLY (PSU), MEDICAL, 1 OUTPUT, 150W @ 200LFM, 100 W, 85V AC TO 264V AC**

The TLP9015N-992A2J is a 1-output 150W open-frame AC/DC Power Supply with adjustable and fixed output voltage. It offers overvoltage, overcurrent and short-circuit safety protections. Because of its low profile, it fits 1U applications.

Order Code 52AJ2407

**AC/DC POWER SUPPLY, DESKTOP, ITE, 1 OUTPUT, 160 W, 12 V, 12.5 A**

The AEJ60 series of ITE approved desktop adapter features active power factor correction and comply with the latest international efficiency requirements including Level VI and EU2019/1782.

Order Code 67AK7412

**UNINTERRUPTIBLE POWER SUPPLY (UPS), 500VA / 300W, 120 VAC, 4.2 MIN**

5DU AC - B series DIN rail uninterruptible power supply. It is suitable for use in programmable logic controllers, factory automation, robotics, conveying equipment and computer based control systems.

Order Code 89AH0113

**UNINTERRUPTIBLE POWER SUPPLY (UPS), 8 OUTLETS, 2.2KVA / 1.92KW, 120 V, 120 V, 4.5 MIN**

Tripp Lite SM2000RMXL2U line interactive 2U rack/tower 1500W/1200VA UPS with Automatic Voltage Regulation (AVR) corrects brownouts and over voltages from 63 to 145V.

Order Code 676Y6215
XP Power are committed to helping customers find the right power solution for any application. Our diverse range of AC & DC products come with reliability designed-in and unrivalled service to match.

**Open-frame Power Supplies**
- 5W to 450W
- World’s smallest designs
- ITE & medical (BF) approvals

**Enclosed Power Supplies**
- 10W to 5kW
- Full user configurability
- ITE & medical (BF) approvals

**External Power Supplies**
- 5W to 300W
- Level VI & EU CoC Tier 2
- ITE & medical approvals

**DC-DC Converters**
- 0.25W to 750W
- Through-hole & SMD
- ITE, medical and rail approvals

**High Voltage DC-DC**
- Outputs up to 25kVDC
- Regulated & proportional
- Single & dual outputs

**External Power Supplies**
- 5W to 300W
- Level VI & EU CoC Tier 2
- ITE & medical approvals

**XP Power**

**Powering The World’s Critical Systems**

---

**TRACO POWER**

**Reliable. Available. Now.**

**Industrial Power Solutions**

**DC/DC from 1–300 Watt**

- Broad application range covering office, manufacturing, industrial, harsh and hazardous environments
- Industrial EMC immunity acc. to IEC 61000-6-2
- Various mounting types: PCB, Chassis-Mount and DIN-Rail
- Open-frame, encapsulated and encased package styles
- 3-years warranty

---

**newark.com**
ISOLATED THROUGH HOLE DC/DC CONVERTER, IVE, 1:1, 1 W, 1 OUTPUT, 5 V, 200 MA

The NME0505SC from Murata is an isolated, 1W, single output DC to DC converter in SIP package. It is particularly suited to isolate or convert DC power rails.

Order Code
61K3108

AC/DC ENCLOSED POWER SUPPLY (PSU), 1 OUTPUTS, 450 W, 24 V, 18.8 A

24V 18.8A AC/DC Enclosed Switching Power Supply 450W power supply features active surge current limiting and AC range selection. Includes built-in fan for active cooling and LED status indicator.

Order Code
53Y1845

AC/DC OPEN FRAME POWER SUPPLY (PSU), ITE & MEDICAL, 1 OUTPUT, 100 W, 90V AC TO 264V AC, FIXED

The MDS series of embedded power supply come with universal AC input at 90Vac to 264Vac. Other features include low touch current, risk management report available and the electric shock protection comply with 2 x MOPP

Order Code
52A7281

DC/DC CONVERTER, IVE, 1 OUTPUT, 2.5 W, 5 V, 500 MA, AMSROL-78NZ SERIES

Aimtec’s AMSROL-78NZ series was developed to meet increasing market demand for compact sizes and higher efficiency. This 0.5A switching regulator hits the mark on these metrics with its 12.50 x 13.50 x 3.50mm open frame, ultra-low height design. It is also a viable replacement to the LMT8 linear regulator.

Order Code
25AK2816

MULTICOMP PRO MP0120-20B12 POWER SUPPLY, AC-DC, 12V, 9.5A ROHS COMPLIANT: YES

These series is one of AC-DC miniaturize open frame power supply. It features universal AC input and at the same time accepts DC input voltage, cost-effective, high efficiency, high reliability and double or reinforced insulation.

Order Code
30AJ5447

DC/DC CONVERTER, ITE, 1 OUTPUT, 7.5 W, 5 V, 1.5 A, OKI SERIES

The OKI-78SR series are non-isolated switching regulator (SR) DC/DC power converters for embedded applications. The fixed single output converters offer both tight regulation and high efficiency directly at the power usage site

Order Code
72R3616

ISOLATED DIN RAIL MOUNT DC/DC CONVERTER, RAILWAY, 4:1, 30 W, 1 OUTPUT, 24 V, 1.25 A

DDR-30G-24 is a DDR-30 series 30W rail type DC-DC converter with main features including easy installation, ultra slim width (35mm), 4.1 ultra wide input voltage, 4xVDC I/O isolation, adjustable output voltage (±10%) and full protective functions.

Order Code
01AH7064

VARIABLE, MANUALLY OPERATED, OPEN, SINGLE PHASE, 50HZ / 60HZ, 240V, 280V

The 25A6D is a POWERSTAT® Series 10A 240V single-phase Variable Transformer with knob rotation, motor drives and epoxy-coated POWERKOTE® coils for long life. This transformer provides continuously adjustable output voltage from utility line voltage.

Order Code
05F813

AC/DC OPEN FRAME POWER SUPPLY (PSU), ITE, 1 OUTPUT, 150W @ 10CFM, 120 W, 85V AC TO 264V AC, FIXED

The AMEOF120-HAMJZ series is one of Aimtec’s compact size 120W isolated switching regulator (SR) DC-DC converter with main features such as compact size, DIN Rail Mounting, 150W @ 10CFM, 120 W, 85V AC TO 264V AC, FIXED.

Order Code
25AK2747

MULTICOMP PRO MP002001 POWER SUPPLY, AC-DC, 24V, 6.5A ROHS COMPLIANT: YES

The 150W enclosed power supply range has been statutorily opened to offer high efficiency, long life and high reliability for use in a variety of applications.

Order Code
51AH5982

RECHARGEABLE BATTERY, 12 V, LEAD ACID, 9 AH, QUICK CONNECT

The HRL1234WF2FR is a Rechargeable Battery with F2 Faston tab 250 terminals. It is specially designed for high efficient discharge and long life application.

Order Code
27T6516

POWER SUPPLY, AC-DC, 24V, 2.5A ROHS COMPLIANT: YES

The DRC-24V100WYA is part of the Chrome DIN Rail Power Supply series, which is designed for use in compact cabinets for home automations and the food and beverage industry. Delta’s Chrome DIN Rail Power Supply series offers double isolated input.

Order Code
25AJO757

VARIABLE, PLUG IN, MANUALLY OPERATED, 50HZ / 60HZ, 120V, 140V

The 3PN0108 is a Variable Transformer featured with a ventilated steel case, input line cord and plug, fused NEMA rated output receptacle and an illuminated on/off switch.

Order Code
85F2006

DC-DC LED DRIVER, 36V, 0.7A, ANALOGUE ROHS COMPLIANT: YES


Order Code
57AK2637

MULTICOMP PRO MP-K7805MT-500R4DC-DC CONVERTER, 5V, 0.5A ROHS COMPLIANT: YES

The MP-K78_MTF-500R4 series are high efficiency switching regulators. The converters feature high efficiency, low loss and short-circuit protection in a compact DFN package. These products are widely used in applications such as industrial control, instrumentation and electric power.

Order Code
92AH5612
Unlocking the Secrets of Reliable Relays: OMRON’s Unique Production Know-How

Creating the perfect relays may seem like a straightforward task, but it’s a complex process that requires the most advanced manufacturing processes. This ensures that every component inside our relays are precisely assembled and protected from any outside contaminants. Ignoring this crucial step could jeopardize the reliability of the relays and compromise their switching activity.

At times, machines can experience unplanned downtime, with the causes remaining elusive, in many cases restarting the machine or replacing the relays resolves the issue.

OMRON determined that such incidents are primarily caused by inadequate contact conduction, which frequently results from dust caught between the contacts during manufacturing.

This dust is generated from various sources such as:

- Resin scrap from relay parts
- Textile fibres from operator clothing

OMRON’S SOLUTION TO PREVENT POOR CONDUCTION IN RELAYS

To improve the reliability of our relay production, OMRON has made three key commitments:

- Provide standardised product design to avoid the generation of dust.
- Produce products in clean rooms with strict entry exit controls to prevent the introduction of dust.
- Utilize OMRON’s unique dust removal technology to avoid leaving dust behind during the production process.

With these commitments, OMRON can ensure the highest quality and reliability for your industrial needs.

OMRON relays offer supreme quality

For more than half a century, OMRON has dedicated itself to the design and production of relays and has now become the largest manufacturer of single-brand relays worldwide. Among our most significant electromechanical relay families are the G2RS, MY, G2RV, and LY families. Now in 2023, OMRON has revamped their relay product line, unveiling the slim G2RV-ST relay and promoting the MY-GS-R as the flagship model for the MY family.

G2RV-ST:
The relay itself is a well-known standard 6mm relay with industrial pins, but the socket has been redesigned with enhanced features, such as:

- Security lever to avoid accidental relay fall.
- Super bright Brilliant LED.
- Up to 2.5mm2 cable wiring dimensions.
- Captive screw and push-in plus wiring technology available.

MY-GS-R:
The MY-GS-R is the newest member of the MY family, distinguished by its exceptional features, making it the flagship model. These features include:

- Supreme reliability due to fully automated production.
- No polarity required for DC coil specification models with LED, available in both 2-pole and 4-pole types, simplifying wiring and maintenance activities.
- Convenient identification of AC and DC types: red test button + red LED for AC coil, blue test button + green LED for DC coil.
- 2.6mm wide pins for enhanced conductivity in MY plug-in terminals.

newark.com/omron
The Omron G2RS series are industrial plug-in relays. These electromechanical power relays are slimline, space saving relays with enhanced features mainly used for general purpose applications.

Order Code 14J0623

**SOLID STATE RELAYS**

Single phase SSRs with TRIAC or SCR output. Control voltage 4-32VDC or 90-280VAC. Load voltage 240VAC, 480VAC or 600VAC. Wide load current range from 10-125A.

Order Code 24AC9515

**POWER RELAY, DPDT, 24 VDC, 5 A, G2RS SERIES, SOCKET, NON LATCHING**

The Omron G2RS series are industrial plug-in relays. These electromechanical power relays are slimline, space saving relays with enhanced features mainly used for general purpose applications.

Order Code 14J0623

**POWER RELAY, 4PDT, 24 VDC, 5 A, MY SERIES, SOCKET, NON LATCHING**

MY(S) series miniature power relay with 4PDT contact form and DC coil. It is a purgeable plug-in relay without LED indicator and it reduces wiring work by 60% when combined with PYF-PU push-in plus socket.

Order Code 18J7481

**POWER RELAY, SPDT, 24 VDC, 6 A, G2R SERIES, DIN RAIL, NON LATCHING**

The Slim I/O Relay G2RV-SR/G3RV-SR is a low profile slim I/O relay with coil width 6.2 mm. Realized about 25% lower profile than conventional products, contributing to further miniaturization of the control panel.

Order Code 90Y9347

**SOCKET, DIN, 5MM PITCH, SCREW TERM**

For Industrial Power Relay RT pinning 3.5 mm / 5 mm, relay height 15.7 mm. Features include, new retainer clip with ejection function, easy replacement of relays on a densely packed DIN rail and no reduction of protection class or creepage/clearance with plastic retainer.

Order Code 50M4792

**POWER RELAY, 4PDT, 24 VDC, 5 A, MY SERIES, SOCKET, NON LATCHING**

MY(S) series miniature power relay with 4PDT contact form and DC coil. It is a purgeable plug-in relay without LED indicator and it reduces wiring work by 60% when combined with PYF-PU push-in plus socket.

Order Code 18J7481

**POWER RELAY, SPDT, 24 VDC, 6 A, G2R SERIES, DIN RAIL, NON LATCHING**

The Slim I/O Relay G2RV-SR/G3RV-SR is a low profile slim I/O relay with coil width 6.2 mm. Realized about 25% lower profile than conventional products, contributing to further miniaturization of the control panel.

Order Code 90Y9347

**SOCKET, DIN, 5MM PITCH, SCREW TERM**

For Industrial Power Relay RT pinning 3.5 mm / 5 mm, relay height 15.7 mm. Features include, new retainer clip with ejection function, easy replacement of relays on a densely packed DIN rail and no reduction of protection class or creepage/clearance with plastic retainer.

Order Code 50M4792

**POWER RELAY, 4PDT, 24 VDC, 5 A, MY SERIES, SOCKET, NON LATCHING**

MY(S) series miniature power relay with 4PDT contact form and DC coil. It is a purgeable plug-in relay without LED indicator and it reduces wiring work by 60% when combined with PYF-PU push-in plus socket.

Order Code 18J7481

**POWER RELAY, SPDT, 24 VDC, 6 A, G2R SERIES, DIN RAIL, NON LATCHING**

The Slim I/O Relay G2RV-SR/G3RV-SR is a low profile slim I/O relay with coil width 6.2 mm. Realized about 25% lower profile than conventional products, contributing to further miniaturization of the control panel.

Order Code 90Y9347

**SOCKET, DIN, 5MM PITCH, SCREW TERM**

For Industrial Power Relay RT pinning 3.5 mm / 5 mm, relay height 15.7 mm. Features include, new retainer clip with ejection function, easy replacement of relays on a densely packed DIN rail and no reduction of protection class or creepage/clearance with plastic retainer.

Order Code 50M4792

**POWER RELAY, 4PDT, 24 VDC, 5 A, MY SERIES, SOCKET, NON LATCHING**

MY(S) series miniature power relay with 4PDT contact form and DC coil. It is a purgeable plug-in relay without LED indicator and it reduces wiring work by 60% when combined with PYF-PU push-in plus socket.

Order Code 18J7481

**POWER RELAY, SPDT, 24 VDC, 6 A, G2R SERIES, DIN RAIL, NON LATCHING**

The Slim I/O Relay G2RV-SR/G3RV-SR is a low profile slim I/O relay with coil width 6.2 mm. Realized about 25% lower profile than conventional products, contributing to further miniaturization of the control panel.

Order Code 90Y9347

**SOCKET, DIN, 5MM PITCH, SCREW TERM**

For Industrial Power Relay RT pinning 3.5 mm / 5 mm, relay height 15.7 mm. Features include, new retainer clip with ejection function, easy replacement of relays on a densely packed DIN rail and no reduction of protection class or creepage/clearance with plastic retainer.

Order Code 50M4792

**POWER RELAY, 4PDT, 24 VDC, 5 A, MY SERIES, SOCKET, NON LATCHING**

MY(S) series miniature power relay with 4PDT contact form and DC coil. It is a purgeable plug-in relay without LED indicator and it reduces wiring work by 60% when combined with PYF-PU push-in plus socket.

Order Code 18J7481

**POWER RELAY, SPDT, 24 VDC, 6 A, G2R SERIES, DIN RAIL, NON LATCHING**

The Slim I/O Relay G2RV-SR/G3RV-SR is a low profile slim I/O relay with coil width 6.2 mm. Realized about 25% lower profile than conventional products, contributing to further miniaturization of the control panel.

Order Code 90Y9347

**SOCKET, DIN, 5MM PITCH, SCREW TERM**

For Industrial Power Relay RT pinning 3.5 mm / 5 mm, relay height 15.7 mm. Features include, new retainer clip with ejection function, easy replacement of relays on a densely packed DIN rail and no reduction of protection class or creepage/clearance with plastic retainer.

Order Code 50M4792

**POWER RELAY, 4PDT, 24 VDC, 5 A, MY SERIES, SOCKET, NON LATCHING**

MY(S) series miniature power relay with 4PDT contact form and DC coil. It is a purgeable plug-in relay without LED indicator and it reduces wiring work by 60% when combined with PYF-PU push-in plus socket.

Order Code 18J7481

**POWER RELAY, SPDT, 24 VDC, 6 A, G2R SERIES, DIN RAIL, NON LATCHING**

The Slim I/O Relay G2RV-SR/G3RV-SR is a low profile slim I/O relay with coil width 6.2 mm. Realized about 25% lower profile than conventional products, contributing to further miniaturization of the control panel.

Order Code 90Y9347

**SOCKET, DIN, 5MM PITCH, SCREW TERM**

For Industrial Power Relay RT pinning 3.5 mm / 5 mm, relay height 15.7 mm. Features include, new retainer clip with ejection function, easy replacement of relays on a densely packed DIN rail and no reduction of protection class or creepage/clearance with plastic retainer.

Order Code 50M4792

**POWER RELAY, 4PDT, 24 VDC, 5 A, MY SERIES, SOCKET, NON LATCHING**

MY(S) series miniature power relay with 4PDT contact form and DC coil. It is a purgeable plug-in relay without LED indicator and it reduces wiring work by 60% when combined with PYF-PU push-in plus socket.

Order Code 18J7481

**POWER RELAY, SPDT, 24 VDC, 6 A, G2R SERIES, DIN RAIL, NON LATCHING**

The Slim I/O Relay G2RV-SR/G3RV-SR is a low profile slim I/O relay with coil width 6.2 mm. Realized about 25% lower profile than conventional products, contributing to further miniaturization of the control panel.

Order Code 90Y9347

**SOCKET, DIN, 5MM PITCH, SCREW TERM**

For Industrial Power Relay RT pinning 3.5 mm / 5 mm, relay height 15.7 mm. Features include, new retainer clip with ejection function, easy replacement of relays on a densely packed DIN rail and no reduction of protection class or creepage/clearance with plastic retainer.

Order Code 50M4792
Technical experts providing convenient, tailored and innovative industrial sensing and connectivity solutions.

Our Products

- Temperature
- Pressure
- Flow
- Force & Strain
- Level
- Data Acquisition
- Test & Inspection
- Control & Monitoring
- Calibration Systems
- Industrial Heaters
- IIoT & Wireless
- Custom & Configured
<table>
<thead>
<tr>
<th>THERMOMETRICS INLINE FLOW-THROUGH FLUID TEMPERATURE SENSOR</th>
<th>Amphenol Advanced Sensors</th>
<th>CO2 SENSOR MODULE FOR HARS ENVIRONMENTS</th>
<th>Amphenol Advanced Sensors</th>
<th>BATTERY LEAKAGE DETECTION SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monitors the temperature of liquid that passes through it, system control module receives this temperature reading and uses it to control the overall system temperature.</td>
<td>A range of carbon dioxide sensors designed measure CO2 in harsh or difficult environments. Applications include medical, food, transport and agricultural applications including glass houses mushroom sheds and chicken sheds.</td>
<td>SGX-BLD2 is a Hydrogen and Battery Leakage Detection sensor that measures H2 concentration when different battery leakage occur through CAN communication.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Order Code 24AC6270</td>
<td>Order Code 01AC3557</td>
<td>Order Code 33AK4000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>K50R RADAR SENSOR: SHORT-RANGE SENSOR FOR ROBUST OBJECT DETECTION</th>
<th>SMART Sensors</th>
<th>Q4X RUGGED LASER DISTANCE SENSOR: THE ULTIMATE PROBLEM SOLVER</th>
<th>SMART Sensors</th>
<th>HIGH SPEED OPTICAL LABEL SENSOR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radar-Based Sensors for detection and measurement of moving and stationary targets.</td>
<td>Durable and robust construction resists mechanical impact, over tightening and extreme vibration.</td>
<td>Sensor can be configured to detect the label or the backing paper.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Order Code 33AK7711</td>
<td>Order Code 43AJ7032</td>
<td>Order Code 52AH6847</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FULL METAL INDUCTIVE PROXIMITY SENSORS WITH IO-LINK COMMUNICATION</th>
<th>SMART Sensors</th>
<th>MC36C COMPACT SAFETY MAGNETIC SENSORS</th>
<th>SMART Sensors</th>
<th>THERMAL REED SENSORS, SCREW TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-board IO-Link communication opens up many possibilities, such as easy configuration and setup of the devices and advanced parameter setting.</td>
<td>The MC36C series are encoded safety magnetic sensors with compact housing used to monitor the position of hinged, sliding or removable guards of industrial applications.</td>
<td>TRS series screw type thermal reed switch is a highly reliable, precise temperature-sensitive switch ideal for energy conservation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Order Code 65AK6225</td>
<td>Order Code 08AJ1649</td>
<td>Order Code 21AJ9315</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BAS BATTERY AEROSOL SENSOR</th>
<th>Honeywell</th>
<th>5000 SERIES INDUSTRIAL PRESSURE SWITCH WITH SCREW ELECTRICAL CONNECTION</th>
<th>Honeywell</th>
<th>500A OPEN LOOP CURRENT SENSORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>The BAS Series Sensors are built to detect the presence and concentration of aerosols such as smoke, liquid and debris in lithium-ion battery packs.</td>
<td>78303-B00000400-14 is a 5000 series pressure switch with screw electrical connection. 5000 Series pressure switch is specifically designed to stand up to extended duty applications.</td>
<td>The CHV Series are open loop current sensors that use Hall-effect sensing and patented Honeywell technology to bring the best combination of performance and reliability for current sensing applications.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Order Code 65AK6199</td>
<td>Order Code 40T3501</td>
<td>Order Code 65AK6211</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Take complete control of your machine.**

**Material detection regardless of light, shape, color, dust, or density.**

- Electromechanical pressure switch
  - 9013FHG44J59M1X

- Ultrasonic Sensors
  - Wide Beam
  - XXW54P3HPL01DM6

newark.com
### MINIATURE THERMOCOUPLE CONNECTOR, PLUG, IM-K-M, TYPE K, IEC

The IM-K-M (IEC) from Labfacility is a miniature thermocouple connector with flat pins to suit thermocouple type K ideal for general purpose use.

**Order Code**: 66C1565

### 3KG PULL MAGNET THERMOCOUPLE, TYPE K, IEC

Magnet thermocouple with 2m stainless steel over-braided PFA-PTFE cable fitted with miniature plug.

**Order Code**: 88T2877

### PANEL MOUNTABLE CURRENT TRANSDUCER

Bipolar and insulated measurement up to 1000V.

**Order Code**: 99Y8151

### HANI CLAMP MOUNT INDUSTRIAL TEMPERATURE SENSOR FOR USE ON PLASTIC PIPES

Monitor the temperature of in-pipe fluid media in your plastic piping system with HANI clamp sensor for plastic pipes. Easy-to-install with zero downtime, this sensor will be a game changer for temperature measurement and control in the most challenging applications.

**Order Code**: 65AK5622

### PRESSURE SENSOR, 300 PSI, ANALOGUE, GAUGE, 30 VDC, 1/4” - 18 NPT

PX319 series high performance general purpose pressure transducer uses two-state-of-the-art silicon technologies. It has an accuracy of ±2.5% FS BSL (Combined Linearity, Hysteresis and Repeatability).

**Order Code**: 30AC8212

### BARREL-STYLE INDUCTIVE PROXIMITY SENSOR

Pepperl+Fuchs offers innovative, high quality inductive sensors to meet the needs of the worldwide automation and process control markets. This product offers accurate, non-contact detection of metallic objects in machinery or automation equipment.

**Order Code**: 22C9477

### B5WC BUILT-IN COLOR SENSOR FOR RELIABLE DETECTION OF CHANGES AND DIFFERENCES IN COLOR

B5WC Built-in color sensors from Omron improve equipment maintenance efficiency by monitoring the change in liquid color.

**Order Code**: 61AK0053

### FLAT CAPACITIVE PROXIMITY SENSOR

Flat Capacitive Sensor with excellent space efficiency, used for detecting ferrous metal.

**Order Code**: 27M2369

### RECTANGULAR STANDARD PROXIMITY SENSOR

TL-Q5MC1 is a rectangular standard inductive Proximity Sensor with heat-resistant ABS resin case and sensing surface.

**Order Code**: 27M2896

### INTELLIGENT PARTICLE SENSOR FOR ACCURATE AIR QUALITY MONITORING

IPS-7100-1 is a photon counting readout based, highly sensitive optoelectronic particulate sensor. It is capable of fast data acquisition and readout as well as categorizing particulates based on the size. Adjustable sensitivity controls provide superior accuracy and versatility.

**Order Code**: 45AK2308

### SFC6000D MASS FLOW CONTROLLER WITH MULTI-GAS CALIBRATION

20 - 0.04slm flow range Disruptive concept combining plastic body and highly integrated electronics. Small form factor and low weight. High accuracy/repeatability (2% / 0.2% of set point).

**Order Code**: 67AK1903

### CO2, HUMIDITY AND TEMPERATURE SENSOR MODULE

Ambient humidity and temperature can be measured by Sensirion’s algorithm expertise through modelling and compensating of external heat sources without the need of any additional components.

**Order Code**: 56AC2776

### MINIATURE THROUGH BEAM PHOTOELECTRIC SENSOR, W4F SERIES

The Smart Sensors in the W4F product family, which are powered by IO-Link, are ready for the most demanding Industry 4.0 applications. Practical features for intelligent monitoring and predictive maintenance ensure a very high reliability in operation.

**Order Code**: 60AK9208

### 100LB COMPACT COMPRESSION LOAD CELL

TE Connectivity’s (TEL) FX29 is a compact compression load cell that offers exceptional price-to-performance in a robust sensor package.

**Order Code**: 40AH0491
SWITCHES

SERIES MP002 VANDAL RESISTANT SWITCH

Manufactured from Stainless Steel, Bulgin's extensive range of vandal resistant security switches are designed with a high resistance to wear and tear, corrosion and harsh use in potentially hostile environments such as access control applications.

Order Code
75M3520

SERIES MP0037 VANDAL RESISTANT SWITCH

Manufactured from Stainless Steel, Bulgin's extensive range of vandal resistant security switches are designed with a high resistance to wear and tear, corrosion and harsh use in potentially hostile environments such as access control applications.

Order Code
48F2532

SERIES VANDAL RESISTANT SWITCHES

The MRSS addresses manual programming applications. These high-quality rotary DIP switches are available in size 7.7mm square (horizontal) and 7.2mm square (vertical) for a wide range of possible applications like elevator and security system.

Order Code
60AK9626

SERIES 45 EMERGENCY STOP SWITCHES

Series 45 emergency stop switches offer reliable protection for both man and machine in the event of application malfunctions – on a factory conveyor belt, for instance. Thanks to intuitive operation and IP69K rated features, these switches perform safely and securely as often required in harsh, industrial environments.

Order Code
05AC2265

PV2 SERIES VANDAL RESISTANT SWITCH

The PV2F640SS is an Anti-vandal Switch offering long life expectancy. It features screw terminals, single pole off-(on) function, polished stainless steel body and flat actuator. These can be found on kiosk and public ticket dispenser applications, along with other industrial type applications.

Order Code
24R3494

PTS645 SERIES 6 MM TACT SWITCHES

Designers for power tooling, set top and access boxes, instrumentation and general consumer products turn to C&K’s PTS645V series of 6mm SMT side actuated tact switches to give their products the reliability and long life demanded by regular use.

Order Code
59AK7062

SERIES MP0042/3 VANDAL RESISTANT SWITCH

The MP0042/3 is a momentary Vandal Resistant Switch with screw termination. SS push to make switching, nylon moulding, silver-plated brass tags, polished stainless steel body and button, silver contacts.

Order Code
95M9941

PBES16 SERIES EMERGENCY STOP SWITCH

The PBES16 Series has a 20N actuation force for ruggedized applications to avoid accidental activations and it is IP65 rated to withstand harsh environments. This series has multiple lighting options, agency approvals, and meets IEC 60947-5-1 & IEC 60947-5-5 standards.

Order Code
50AJ0274

ST4 SERIES SEALED TOGGLE SWITCH

The ST4 Series sealed toggle switches are rated IP68 for dust and moisture protection and offer single pole or double pole circuit functions with 2 or 3 actuator positions. Select from 10 different function options, three electrical rating options, and 17mm metal or 22mm plastic bat actuator.

Order Code
57AJ6016

57 SERIES MINIATURE VANDAL RESISTANT PUSHBUTTON SWITCHES

The Series 57 is a range of miniature, momentary action, rugged panel sealed push-button switches with a round button and bezel. The Series is available with or without LED status illumination. The body and button are manufactured from anod-spark zinc alloy and are velour chrome plated.

Order Code
31C7633

V19 SERIES BASIC SWITCH

Honeywell Sensing and Internet of Things announces new addition to their MicroSwitch products, the V19 basic switch for appliance customers. The V19 is focused on empowering White Goods designs with a balance between configurability and cost.

Order Code
75AH8766

PBES16N SERIES EMERGENCY STOP SWITCH

PBES16 series pushbutton emergency stop switch is a non-illuminated switch. It has a 20N actuation force for ruggedized applications and to avoid accidental activations and is IP65 rated to withstand harsh environment. Features include, 16mm mounting hole, high actuation force UL and TV agency approved and more.

Order Code
50AJ0283

STS SERIES HIGH TEMPERATURE TOGGLE SWITCH

The STS series toggle switch series can handle temperatures ranging from -10°C to 125°C. The STS offers a single pole or double pole circuit function with two or three positions and offers three electrical rating options.

Order Code
62AJ3543

KSC4 TE SERIES TIRELESS ENDURANCE TACT SWITCH

KSC4 TE Tireless endurance tactile switch is a new KSC4 configuration with J leads, a soft actuator and a renewed combination of dome and support. Upgrading the lifetime up to 10 million cycles. It’s size makes it perfect for demanding applications such as applications in the industrial segment.

Order Code
31AJ3572

VW SERIES CONTROL UNITS

Ensure safety and save wiring time with YW Series Control Units. Main features include Safety Lock Mechanism, Direct Opening Action, Safe Pushbutton Design and more.

Order Code
28X7160
The XB4BD21 is a 2-position black Voltage Selector Switch with screw clamp terminals. It features 1NO contact configuration and slow-break contact operation function. The switch is made of chromium plated metal bezel with silver alloy contacts.

Order Code
39C6738

series 59

The Series 59 is a range of miniature, momentary action, rugged panel sealed pushbutton switches. The Series is available with square or round bezel versions, with or without LED status illumination and in a variety of button types.

Order Code
06WX7470

IP68 POWER-SEALED TOGGLE SWITCHES

IP68 Rated copper alloy, silver plated power-sealed toggle switches. Search for skus 69AK7836 to 69AK7837.

Order Code
69AK7836

PB SWITCH, SPST-NC/NO, 1A, 30VDC; Panel Product Range: AV Series; Panel Cutout Diameter: 19mm; Contact Configuration: SPST-NO, SPST-NC; Switch Operation: Momentary; Pushbutton Actuator Style: Round; Actuator / Cap Colour: Natural

Order Code
32AH7975

SL SERIES

PN SL0001-1 C&K’s SL series IP67 sealed door interlock switch features push (momentary)/ pull (maintained) motion as well as SPDT and DPDT in 3 different bracket sizes (small, large and extended), multiple mounting configurations.

Order Code
24AK8245

ANTI VANDAL PUSH BUTTON SWITCHES

IP67 rated illuminated stainless steel Anti Vandal Push Button Switches. Search for skus 69AK7740 to 69AK7743.

Order Code
69AK7741

IP65 RATED ROCKE R SWITCHES

IP65 Rated DPST, On-Off Rocker Switches. Search for skus 68AK5720 to 68AK5722.

Order Code
68AK5720

HIGH CURRENT ANTI VANDAL PUSH BUTTON SWITCHES

IP55 rated high current stainless steel anti-vandal push button switches. Search for skus 69AK7856 to 69AK7857.

Order Code
69AK7765

SL SERIES

The Series 59 is a range of miniature, momentary action, rugged panel sealed pushbutton switches. The Series is available with square or round bezel versions, with or without LED status illumination and in a variety of button types.

Order Code
06WX7470

AV SERIES

PB SWITCH, SPST-NC/NO, 1A, 30VDC; Panel Product Range: AV Series; Panel Cutout Diameter: 19mm; Contact Configuration: SPST-NO, SPST-NC; Switch Operation: Momentary; Pushbutton Actuator Style: Round; Actuator / Cap Colour: Natural

Order Code
32AH7975

series 59

The Series 59 is a range of miniature, momentary action, rugged panel sealed pushbutton switches. The Series is available with square or round bezel versions, with or without LED status illumination and in a variety of button types.

Order Code
06WX7470

PB SERIES

The IP65 is a single-pole double-throw (SPDT) miniature Pushbutton Switch with a natural round actuator, ON-(ON) function and solder terminals. It is equipped with HM hermetically sealed switch unit, which has metal-to-metal fusion around the cover, actuator base and mounting holes.

Order Code
23F1867

SERIES 82 IP67 ON/OFF SWITCHES

EAO’s Series 82 anti-vandal stainless steel On/Off and Standby switches are suitable for 16, 19 or 22 mm mounting and have built-in resistors for easy direct connection to a 12V or 24V supply.

Order Code
33AC4209

INDUSTRIAL PUSH BUTTON SWITCHES

SPDT, Momentary, Round Flat, Industrial Pushbutton Switches. Search for Skus 68AK5720 to 68AK5722.

Order Code
69AK7732

HIGH CURRENT ANTI VANDAL PUSH BUTTON SWITCHES

IP55 rated high current stainless steel anti-vandal push button switches. Search for skus 69AK7856 to 69AK7857.

Order Code
69AK7765

D2D SERIES

D2D-1000 Safety Interlock Switch, D2D Series offer offers the minimum contact gap of 3 mm required for power switches as standard equipment. Safety considerations include a double return spring and direct drive positive contact opening feature.

Order Code
93B9088

SERIES B3F

The Omron B3F series are tactile switches. These switches are available in 6mm × 6mm, 12mm × 12mm sizes with different models such as standard, side operated, long durability, high force and high reliability gold plated etc.

Order Code
36K7138

ABB Switches

Pushbutton Switch, SPST-NO, 1.5A, 50VDC; Product Range: CPI Series; Panel Cutout Diameter: 22.5mm; Contact Configuration: SPST-NO; Switch Operation: Momentary; Pushbutton Actuator Style: Round Flush; Actuator / Cap Colour: Green

Order Code
14AC1021

CPI SERIES

Pushbutton Switch, SPST-NO, 1.5A, 50VDC; Product Range: CPI Series; Panel Cutout Diameter: 22.5mm; Contact Configuration: SPST-NO; Switch Operation: Momentary; Pushbutton Actuator Style: Round Flush; Actuator / Cap Colour: Green

Order Code
14AC1021

SERIES 59

The Series 59 is a range of miniature, momentary action, rugged panel sealed pushbutton switches. The Series is available with square or round bezel versions, with or without LED status illumination and in a variety of button types.

Order Code
06WX7470

IP65 POWER-SEALED TOGGLE SWITCHES

IP68 Rated copper alloy, silver plated power-sealed toggle switches. Search for skus 69AK7836 to 69AK7837.

Order Code
69AK7836

newark.com
1Ghz Eight Channel Mixed Signal Oscilloscope

5 Series Mixed Signal Oscilloscope offers better visibility into complex systems with eight FlexChannel inputs and 15.6” high-definition touchscreen display.

Order Code
83AJ0736

1Ghz Six Channel Mixed Signal Oscilloscope

4 Series Mixed Signal Oscilloscope features a highly intuitive user interface, six FlexChannel, and inputs and 13.3” high-definition touchscreen display.

Order Code
02AH4138

1.5Mhz Four Channel Mixed Signal Oscilloscope Software Bundle

1.5Ghz Mixed Signal Oscilloscope bundle features multiple options; ARB generator, low speed serial buses, automotive protocols and Bode plot analysis all included.

Order Code
70AK5603

Four Channel 640W Programmable Power Supply

Bench or rack programmable power supply features four galvanically isolated floating channels, each able to deliver up to 52VDC at 20A, with total output of 384 Watts.

Order Code
50AC9964

800W Autoranging Programmable Power Supply

The E36154A is an 800W, 30V, 80A autoranging benchtop single power output DC power supply. It includes advanced characterization tools such as data logging, an optional scope view and arbitrary waveform generation.

Order Code
53AK8194

120 Channel Data Acquisition Unit

Combined with a variety of input modules, this DAQ provides measurement and data collection from up to 120 channels.

Order Code
72AC4094

80 Channel Data Acquisition Unit

DAQ provides measurement and data collection from up to 80 input channels and control of up to 12 output channels.

Order Code
51AC7225

200V/10A High Current Output for Higher Capacity Applications

Four quadrant operation provides the capabilities of analyzers, curve tracers, and I-V systems at a fraction of their cost.

Order Code
44W8036

120 Channel Data Acquisition Unit

High speed DAQ mainframe features eight slots which accept 21 available modules, with scan rate of up to 1,000 channels per second.

Order Code
56J9919

Single Channel Four Quadrant Sourcemeter®

Source measurement meter features a 5” touchscreen which facilitates ease of use while optimizing speed and productivity. Four quadrant operation provides the capabilities of analyzers, curve tracers, and I-V systems at a fraction of their cost.

Order Code
88W3815

Single Channel Four Quadrant Sourcemeter®

Source measurement meter features 100V/10A high current output for higher capacity applications. Four quadrant operation provides the capabilities of analyzers, curve tracers, and I-V systems at a fraction of their cost.

Order Code
77Y6596

Single Channel Four Quadrant Sourcemeter®

Source measurement meter features 200V/10A high current output for higher capacity applications. Four quadrant operation provides the capabilities of analyzers, curve tracers, and I-V systems at a fraction of their cost.

Order Code
44W8036

5Mhz Function Generator

5Mhz single channel function generator provides a standard waveform output and is ideal for EDU environments.

Order Code
22C6860

20Mhz Arb Function Generator

20Mhz Arb Function generator features modulation, sweep, burst signals, plus LAN and GPIB interfaces that simplify instrument control and transfer of waveforms to the instrument.

Order Code
94T6987

20Mhz Arb Function Generator

20Mhz dual channel Arb Function generator features modulation, sweep, and burst signals, plus LAN and GPIB interfaces that simplify instrument control and transfer of waveforms to the instrument.

Order Code
94T6990
I910 SONIC IMAGER

The I910 is the all-in-one tool you have been looking for when it comes to all of your leak and Partial Discharge issues.

Order Code 92AH2695

TECHNICIANS DIGITAL MULTIMETER, 110 SERIES, 6000 COUNT, TRUE RMS, AUTO, MANUAL RANGE, 3.5 DIGIT

For general purpose electrical and electronic test requirements, the Fluke 115 true-rms digital multimeter provides the perfect answer. Its simple operation, compact design and ease of use makes it perfect for quick verifications and field service use.

Order Code 83K1718

HANDHELD DIGITAL MULTIMETER, 6000 COUNT, TRUE RMS, AUTO, MANUAL RANGE, 3.75 DIGIT

Handy rated true RMS digital multimeter with type K temperature function an ideal tool for electricians, service technicians and HVAC professionals.

Order Code 34AC9586

TI-480 PRO THERMAL IMAGER

Fluke Ti480 PRO 60Hz infrared camera capture accurate measurements with this infrared camera making it ideal for working in tough industries. The rugged pistol-grip design enables thermographer to focus on their surroundings. Additionally, the SuperResolution mode feature provides 4x the standard resolution.

Order Code 47AC8649

OSCILLOSCOPE PROBE, HIGH-VOLTAGE DIFFERENTIAL PROBE, 50 MHZ, 240 VAC, 100, 1000, OSCILLOSCOPES

The CT4447 series probe convert these floating signals to low-voltage ground referenced signals that can be displayed safely on any ground referenced oscilloscope. Compatible with oscilloscopes (with 1Mohm input) from all major manufacturers.

Order Code 32AK6178

POWERPAD IV

The PowerPad® model 8345 is a portable three-phase Class A Power Quality Analyzer that enables technicians and engineers to measure and perform diagnostics and power quality work on one, two or three phase networks.

Order Code 50AK8502

HANDHELD DIGITAL MULTIMETER, 170 SERIES, 6000 COUNT, TRUE RMS, AUTO, MANUAL RANGE, 3.75 DIGIT

With its precision, reliability, and ease of use, the Fluke 179 True RMS Digital Multimeter is the preferred solution for professional technicians around the world.

Order Code 25C4804

TEST LEAD SET, ALLIGATOR CLIP TO ALLIGATOR CLIP, 70 V, 5 A, 609.6 MM, 10 LEADS

The 6356-24 is a Test Lead Set with alligator clip at both ends. This patch cord is ideal for use as a temporary jumper wire.

Order Code 94B5529

MODULAR POWER SUPPLY, 1 OUTPUTS, 5 KW, PROGRAMMABLE, 0 V, 200 V, 70 A

EA-PS 10200-70 3U is a PS 10000 series DC laboratory power supply convert the energy from the grid into a regulated DC voltage with a high efficiency. The DC supply operates as a flexible output stage with a constant power characteristic (autoranging), and a wide voltage, current and power range.

Order Code 58AK8644

FLUKE SMFT-1000/PRO KIT

Designed for PV professionals that provide installation, commissioning and maintenance services to systems that operate at 1000V DC or under, the SMFT-1000 provides a complete PV testing solution that conforms to IEC 62446-1 standards.

Order Code 57AK7519

HANDHELD DIGITAL MULTIMETER, AC CURRENT, AC/DC VOLTAGE, CONTINUITY, FREQUENCY, RESISTANCE, 4

The Megger MIT1000 is a multifunctional voltage and current tester providing electricians and electrical engineers a versatile and robust hand-held all-in-one meter, with detachable test leads.

Order Code 27AJ4148

TEST LEAD SET, INSULATED MINI, ALLIGATOR CLIP TO ALLIGATOR CLIP, 300 V, 7 A, 304.8 MM, 10 LEADS

The BU-00287 is a 12-inch 300V insulator, 22AWG (19/34) copper Clip nickel-plated steel with PVC insulated. Insulated Mini-Alligator Lead Set.

Order Code 34AC9593

FLUKE SMFT-1000/PRO KIT

Designed for PV professionals that provide installation, commissioning and maintenance services to systems that operate at 1000V DC or under, the SMFT-1000 provides a complete PV testing solution that conforms to IEC 62446-1 standards.

Order Code 57AK7519

TELEDYNE FLIR T540-24

The FLIR T540-24 is a FLIR T500 series professional thermal imaging camera with 24° lens. The portable, ergonomic thermal camera offer advanced features like 1-touch level/span and continuous laser assisted autofocus.

Order Code 34AC9593
### Loop Calibrator

Hand-held loop calibrator with stable performance and up to 0.02% high accuracy. Measures DC voltage/current and loop current. Designed with auto stepping and ramping, the 25% stepping function can be used for fast linearity detection.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07AH2541</td>
<td>MP706067 CLAMP METER</td>
</tr>
</tbody>
</table>

### Humidity Meter

The MP780117 from Multicomp Pro is a handheld temperature humidity meter, featuring split-type probe and probe holder.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>42AH0487</td>
<td>FIBRE OPTIC TESTER, 50DBM - 26DBM</td>
</tr>
</tbody>
</table>

### Handheld Digital Multimeter

The MP730651 is a 1000V true RMS digital multimeter which offers high levels of reliability and security, with a 6000 count display. With a large screen, high resolution analogue pointer display, full scale overload protection and unique appearance design, the device is an extremely practical electrical measuring meter.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>07AH392</td>
<td>MINI AC LEAKAGE CURRENT TESTER, 200A</td>
</tr>
</tbody>
</table>

### SMART DIGITAL MULTIMETER

MP730853 is a smart digital multimeter, which automatically identifies both the required function and range which leads to improved operation and efficiency.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>29AK2508</td>
<td>ARBITRARY WAVEFORM GENERATORS, 2 CHANNEL WITH TFT LCD SCREEN</td>
</tr>
</tbody>
</table>

### Digital Multimeter with Bluetooth

The MP730624 from Multicomp Pro is a 4½ bit resolution Bluetooth digital multimeter, with data logger and thermometer functionalities.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>93AH0320</td>
<td>BENCH DIGITAL MULTIMETER</td>
</tr>
</tbody>
</table>

### TABLETOP POWER SUPPLY

The TENMA 72-7660 Tablettop power supply is compact, regulated constant voltage power supply for service, hobby and telecommunications field equipment. Provides three different voltage outputs for different uses.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>22J0268</td>
<td>TABLET OSCILLOSCOPES</td>
</tr>
</tbody>
</table>

### Bench Power Supply

The MP710257 from Multicomp Pro is a 300W, 60V/15A wide range programmable DC power supply.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>42AH2837</td>
<td>DIGITAL OSCILLOSCOPE</td>
</tr>
</tbody>
</table>

### Digital Oscilloscope

The MP720010 is a super economical 2-channel, 50MHz, 8bit digital oscilloscope. This oscilloscope features a 7 high-resolution color LCD screen, front USB IC design and ultra-thin device body.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10AH2393</td>
<td>DIGITAL MULTIMETER WITH BLUETOOTH</td>
</tr>
</tbody>
</table>

### Test Lead Set

Test Lead Set with 3x black and 3x red test leads with various terminating connectors: 2x 4mm banana plug to hook clip, 2x 4mm banana plug to crocodile clips, 2x 4mm banana plug to 4mm banana plug.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>89AH1098</td>
<td>BENCH POWER SUPPLY</td>
</tr>
</tbody>
</table>
724 ESD TESTER, WORK STATION MONITOR, 15 %, 35 MM, 165 MM

Single workstation continuous monitor with North America power adapter. Continuously monitors 2 operator dual-wire wrist straps and 1 work surface mat.

Order Code
83F8473

92-6115-US AIR FORCE BLOW-OFF GUN, 65PSI, 120VAC, HAND-HELD

The 92-6115-US is an US-plug ionizing Blow-off Gun with static-dissipative polyurethane enclosure, tungsten emitter points. This gun features ergonomic design, reduces fatigue and wrist hyperextension. Flexible, lightweight air hose with integral low voltage power cable moves with operator and does not interfere with work.

Order Code
83T4249

44523 TWEEZER, ESD, STRAIGHT, ROUND, STAINLESS STEEL, 125 MM OVERALL LENGTH


Order Code
28C1851

076722 TORQUE SCREWDRIVER, ADJUSTABLE, 1/4" FS/HEX DRIVE, 7" LENGTH, 0.9 N-M TO 9N-M, FGA SERIES

076722 is a FGA-40 adjustable torque screwdriver. With the digital adjustable torque setting on the FGA, you can quickly switch torque values in the field or at the workstation, leading to improved productivity.

Order Code
49AK2125

50943 LOCKOUT DEVICE, CABLE, ALL PURPOSE, 8FT SHEATHED METAL CABLE

The 50943 is a red all purpose Cable Lockout with 8-inch sheathed cable. The advantage of using cable lockout is it can be used in a wide variety of ways and can secure unusual energy isolating device that is difficult to lock out using conventional means.

Order Code
19K0026

09183 WRIST STRAP, ANTI-STATIC, ELASTIC, MAGSNAP, JEWEL SERIES

Jewel® MagSnap adjustable wrist strap. Magnetic connection between wrist band and coil cord. Silver impregnated polypropylene knitted band material.

Order Code
20T7239

4006992-01 IONIZER, AIR GUN, TOP GUN SERIES, 120V, HANDS-FREE, 18" ADJUSTABLE GOOSENECK

The Top Gun with Sidkick offers hands-free operation and flexible positioning during assembly and manufacturing processes. A foot pedal controls both ionization and airflow, which reduces compressed air costs and extends the life of the ionizer. The flexible gun mount allows the operator to focus the ionized airflow where it is needed.

Order Code
11J6671

2032-1 CONDUCTIVE BRUSH, TECHCLEAN, 1/2" X 3/8", HORSE HAIR

The 2032-1 from Techspray is a high precision TechClean horse hair brush for cleaning and coating. This brush is used for cold/bucket cleaning, electronic assembly, electronic repair, electrical cleaning, office equipment maintenance and plant maintenance.

Order Code
80K6222

BP-100 TOOL BACKPACK, BALLISTIC NYLON, 20" x 14.5" x 8", 2.87 KG

BP-100 is a Technician’s tool bag backpack that features 36 organizer pockets and 12 pocket straps to hold all your tools in place with a durable water resistant base to protect it from the elements. It also has a hard, moulded front pocket for delicate items.

Order Code
93AJ2404

TR-600-HIK PAPR KIT, VERSAFLO, HEAVY INDUSTRY, GAS/PARTICULATE/VAPOR, MSHA

TR-600-HIK heavy industry PAPR kit for rugged operations such as industrial, demolition, grinding, metal finishing and casting. The air purifying respirator takes the entire Versaflo system to new levels of comfort, control and productivity.

Order Code
31M7908

ASK-39793 MAT ROLL, DISSIPATIVE, VINYL, BLUE, 24" X 30', STATFREE B2 PLUS SERIES

ASK-39793 is a dark blue STATFREE® B2 plus dissipative vinyl roll. Multi-layer vinyl Dissipative (<1 x 10^6Rtt) Top Layer. Conductive mesh inner layer. Conductive (1 x 10^9Rtt) bottom layer.

Order Code
62AJ7876

91-XC2-US-05H IONIZER, BENCHTOP, EXTENDED COVERAGE, HEATED, 120 V, 1.15" X 7.2 " X 6.5 "

Simco-Ion’s Aerostat XC2 provides complete wide area ionization protection. As with its’ predecessor, the Aerostat XC Ionizing Blower, the Aerostat XC2 is designed and built for reliable, long-term static control for a variety of electronic, semiconductor, flat-panel display and medical assembly applications.

Order Code
72AC8590

5-1987 WIRE STRIPPER, ERGO-ELITE, 26-16 AWG CAPACITY WIRES

The 5-1987 is a Wire Stripper with 16 to 25GA wire. Ergonomically engineered for superior comfort, balance and control, tool constructed of rigid polyurethane reinforced with carbon fiber providing excellent strength at 40% the weight of metal hand tools.

Order Code
18K8801

26501-LED-8D MAGNIFIER, LED, 5X, MAGNIFICATION, 45 °, ARM LENGTH

The 26501-LED-8D is a ProVue 8-diopter LED Magnifying Lamp with 45-inch adjustable arm length. The ProVue LED 8D workbench lamp reduces eye strain and vision fatigue for high-volume industrial users.

Order Code
28Y7449

8511 PARTICULATE RESPIRATOR

The 8511 Particulate Respirator features the proprietary 3M™ Cool Flow™ Valve and helps provide comfortable, reliable worker respiratory protection. It is ideally suited for hot/dusty work settings that require long periods of wear.

Order Code
31M7908
<table>
<thead>
<tr>
<th><strong>TOOLS &amp; PRODUCTION SUPPLIES</strong></th>
<th><strong>DEOXIT D5 SPRAY</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>G3 BLUE SHOWER CLEANER/DEGREASER</td>
<td>Unique contact cleaner, rejuvenator, conductivity enhancer and lubricant. Dissolves oxidation and corrosion on metal surfaces.</td>
</tr>
<tr>
<td>Order Code 81C8423</td>
<td>Order Code 42J5218</td>
</tr>
<tr>
<td>SGB CONTACT TREATMENT GREASE</td>
<td></td>
</tr>
<tr>
<td>Order Code 10WX6357</td>
<td></td>
</tr>
<tr>
<td>Order Code 18K8092</td>
<td>Order Code 00Z1579</td>
</tr>
<tr>
<td>POW-R-WASH VZ CONTACT CLEANER</td>
<td>SBOO SERIES ONE-COMPONENT, READY-TO-USE SILICONE ADHESIVE SEALANTS</td>
</tr>
<tr>
<td>Effective nonflammable solvent cleaner for electrical and electronic contacts and assemblies.</td>
<td>Paste-like consistency and cure to silicone rubber on exposure to atmospheric moisture at room temperature.</td>
</tr>
<tr>
<td>Order Code 97H7682</td>
<td></td>
</tr>
<tr>
<td>WXSMART ALL-IN-ONE SMART Soldering STATION</td>
<td>HCT-910 HOT AIR REWORK SYSTEM</td>
</tr>
<tr>
<td>All-in-one station designed to give you maximum connectivity, traceability, and process control.</td>
<td>Hot air rework system offers a versatile solution for a wide variety of production and rework applications.</td>
</tr>
<tr>
<td>Order Code 53AK8855</td>
<td>Order Code 42AK3688</td>
</tr>
<tr>
<td>WXSMART ALL-IN-ONE SMART SOLDERING STATION</td>
<td>WELOE WE1010NA SOLDERING STATION</td>
</tr>
<tr>
<td>Configured with the Advanced™ Handpiece. Highly effective for soldering applications.</td>
<td>WE1010NA works best for professional soldering jobs, PCBs, electronic kits, low-voltage wiring, and cable assembling.</td>
</tr>
<tr>
<td>Order Code 48W5012</td>
<td>Order Code 45AC9886</td>
</tr>
<tr>
<td>10 PORT GIGABIT MANAGED ETHERNET SWITCH</td>
<td>ULTIMAKER S7 3D PRINTER</td>
</tr>
<tr>
<td>Gigabit Managed Ethernet Switches offer L2 features plus advanced L3 features such as Static Route for Enterprise networks via fiber or copper connections.</td>
<td>UltiMaker S7 is your gateway to the entire UltiMaker platform. Access all the tools you need to start 3D printing – manage and monitor your prints securely with the UltiMaker Digital Factory, access e-learning courses on the UltiMaker Academy, and more.</td>
</tr>
<tr>
<td>Order Code 06AC4115</td>
<td>Order Code 68AK0804</td>
</tr>
</tbody>
</table>
NEW MULTICOMP PRO STUB END STRIPPER FOR RG6 AND RG59 COAX CABLES

The Multicomp PRO MP010404 is a tool for stripping and prepping coaxial cable in the tightest places, such as MDU boxes, wall plates and most tight places.

Order Code 46AK9128

NEW MULTICOMP PRO CRIMP TOOL FOR RJ11 & RJ45 CAT5, CAT5e, CAT6 UTP MODULAR CONNECTORS

The Multicomp PRO MP010403 is a Dual Chamber Modular connector crimping, stripping, and cutting tool, for RJ11 and RJ45 CAT5, CAT5e, and CAT6 UTP (Unshielded Twisted Pair) modular connectors.

Order Code 46AK9127

METAL FOLDING HEX AND TAMPER STAR KEY SETS

CRV+Chamfer Material with Metal Cover, 7 Pieces 1.5/2/2.5/3/4/5/6mm Metal Folding Hex Wrenches

Order Code 29AK2347

TECHNICAL CLEANING BRUSHES

Multicomp Pro now offers a range of technical cleaning brushes with horse hair bristles.

Order Code 77AJ8511

STORAGE CASE

The Multicomp Pro 17028.207.SPU Storage Case features innovative design with soft lines, its stackable, moulded polypropylene and includes Foams.

Order Code 99Y9786

WELDING FUME EXTRACTOR

The MP740146 ESD safe benchtop fume extractor can be operated vertically or horizontally, it can quickly, safely and quickly remove soldering fumes and smoke. The filter is made of highly activated carbon, strong and absorbent.

Order Code 39AH0171

RATCHET CRIMP TOOL KIT

The MP009830 Tool Kit is a versatile solution for all your crimping needs. This comprehensive Ratchet Crimp Tool Kit comes equipped with a range of five interchangeable dies, ensuring that you have the perfect tool for every crimping task.

Order Code 33AK6818

32 PC, SCREWDRIVER SET

The MP7000128 is a 32-piece magnetic screwdriver set. The bit block has all the options that user need for fastening specialty screws found in electrical boxes, conduit couplers, outlets and other common job site fixtures.

Order Code 34AH5387

HELPING HANDS WITH MAGNIFIER

Clips and magnifier can be adjusted in any direction. Removable, metal sponge tray Robust steel base. Suitable for soldering, PCB and circuit board repairs Lens diameter: 90mm Magnification: 3x

Order Code 36AJ3913

ELECTRONICS CUTTER KIT

This set consists of 4 Pliers: MP700389 Micro Cutting Electronics Cutter – Conductive Handle; MP700390 Heavy Duty Micro Cutting Plier – Dissipative Handle; MP700391 Heavy Duty Micro Cutting Plier with Safety Clip & Dissipative Handle; MP700392 Micro Cutting Plier – Dissipative Handle

Order Code 37AJ4433

TACTICAL WATERPROOF EQUIPMENT CASE

These waterproof cases are high quality and specification can be relied on for military use, travel, offshore, etc. They are perfect for protecting items in extreme environments and are ideal for transport and protection of camera and audiovisual equipment, electronics, etc.

Order Code 83X6730

SOLDER POT

The MP740404 is a corrosion-resistant and heat-resistant alloy solder pot, that is suitable for lead-free operation. This solder pot with temperature control from 200 C to 480 C has a beautiful design is reliable and practical.

Order Code 26AJ4698

SOLDER SMOKE ABSORBER

The MP740766 Solder Smoke Absorber can be used as a bench fan or as a solder smoke absorber. The fan is designed to sit on a desktop or can be hung from a support beam. 1 carbon fibre filter is included with low noise and long life service fan.

Order Code 26AJ4723

WIRE STRIPPER

The Multicomp Pro MP009732 is a Wire Stripper with Self-Adjusting Insulation, 24AWG to 10AWG Capacity.

Order Code 32AK6333

ABS 19” RACKMOUNT FLIGHT CASES

Made with durable ABS, Aluminum, Steel, industrial quality butterfly clips. Gasket sealed lids for maximum protection against dust, moisture, and other unwanted contaminants.

Order Code 25AC5169
INDUSTRIAL EMBEDDED COMPUTERS
Enabling Next Generation of Industrial Applications

We offer the latest cutting-edge industrial embedded computers designed for use in today’s most demanding industrial IoT and edge computing environments.

To give you peace of mind, our industrial computers help reduce downtime and prevent failures. Embedded computers from industry-leading suppliers are available in a variety of form factors that are ideal for space-constrained implementations and are engineered for performance and reliability.
### RASPBERRY PI COMPUTE MODULE 4 IO BOARD

The Raspberry Pi Compute Module 4 IO Board (CM4IO) is designed to assist in the development of products that make use of the Raspberry Pi Compute Module 4.

**Order Code** 86AH2064

### RASPBERRY PI COMPUTE MODULE 4, 8GB RAM, 32GB EMMC, WITH WIFI AND BLUETOOTH

Raspberry Pi Compute Module 4 harnesses the compute power of the popular Raspberry Pi 4 Model B, bringing it to a smaller form factor suitable for integration into products.

**Order Code** 92AH8122

### SBC, ARDUINO PORTENTA C33

The ABX00074 is a Portenta C33 board that is a powerful System-on-Module designed for low-cost IoT applications. Based on the R7FA6MSBH2C8G microcontroller from Renesas®, this board shares the same form factor as the Portenta H7 and it is backward compatible with it. connectors.

**Order Code** 77AK2285

### ARDUINO MICROCONTROLLER BOARD

Seedudio XIO is the smallest Arduino compatible board in Seedudio family. It is an Arduino microcontroller that is embedded with the SAMD21 microchip.

**Order Code** 29AK9834

### ABI00080, SBC, ARDUINO UNO REV4 MINIMA

ABX00080 is an Arduino® UNO R4 Minima board. The Arduino UNO R4 Minima (from here on referred to as UNO R4 Minimal) is the first UNO board to feature a 32-bit microcontroller.

**Order Code** 77AK2286

### MBT0021-EN, ADVANCED STEM EDUCATION ROBOT

LattePanda 2 Alpha 864s (Win10 Pro activated) is a high-performance, pocket-sized single board computer with low power consumption that runs full Windows 10 or Linux operation system.

**Order Code** 87AH6189

### ARDUINO ABX00042, SBC

Portenta H7 module simultaneously runs high level code along with real time tasks. Its two asymmetric cores can simultaneously run high level code such as protocol stacks, machine learning or even interpreted languages like MicroPython or Javascript along with low-level real time tasks.

**Order Code** 67AH8877

### LATTEPANDA 2 ALPHA, 864S, 8GB/64GB, WIN10 PRO

LattePanda 2 Alpha 864s (Win10 Pro activated) is a high-performance, pocket-sized SBC (single board computer) with low level code along with real time tasks.

**Order Code** 87AH6189

### ABX00080, SBC, ARDUINO UNO REV4 MINIMA

The ABX00080 is an Arduino® UNO R4 Minima board. The Arduino UNO R4 Minimal (from here on referred to as UNO R4 Minimal) is the first UNO board to feature a 32-bit microcontroller.

**Order Code** 77AK2286

### NVIDIA JETSON NANO MODULE, 4GB/16GB

The NVIDIA® Jetson Nano™ module is opening amazing new possibilities for edge computing. It delivers up to 472 GFLOPS of accelerated computing, can run many modern neural networks in parallel.

**Order Code** 62AK4312

### NVIDIA JETSON XAVIER NX MODULE, 16GB/16GB

With 16GB RAM and 16GB EMMC the NVIDIA® Jetson Xavier™ NX brings supercomputer performance to the edge in a compact system-on-module (SoM) that’s smaller than a credit card.

**Order Code** 62AK4313

### NVIDIA JETSON XAVIER DEVELOPER KIT, 8GB/16GB

With 8GB RAM and 16GB EMMC the reComputer J20-series are compact edge computers built with NVIDIA advanced AI embedded systems: Jetson Xavier NX and Seedio reference carrier board (J202).

**Order Code** 62AK1978

### ARDUINO ABX00051, DEVELOPMENT BOARD

Arduino® Nicla Vision packs machine vision capabilities into a tiny fingerprint. Record, analyse and upload to the cloud with the help of one Arduino® Nicla Vision.

**Order Code** 31AK5790
M610 BLUETOOTH LABEL PRINTER CONTRACTOR KIT

M610-B-PWID is a M610 Bluetooth handheld label maker with workstation product & wire ID software and hard case. Its enhanced capabilities include Bluetooth connectivity, military grade shock resistance, below freezing operating temps and the widest range of data entry options.

Order Code 74AK9281

MULTICORE CABLE OR TV CAMERAS AND CCTV

The features of the Multicore cable include 15 conductor (1 coax, 12 cond), remote control and video cable, foam polyethylene (coax) and PVC (cond) insulation, coax: BC braid (95% coverage), overall: TC braid (80% coverage), overall PVC jacket.

Order Code 04F8951

DATATUFF PROFINET CAT5E CABLE

22 AWG Symmetric quad solid bare copper conductors, polyolefin insulation, FRPE bedding, industrial grade sunlight- and oil-resistant PVC jacket, rip cord. Sequential marking at two foot intervals. PROFINET Type A cable.

Order Code 77Y6060

SHIPBOARD AV

The 8725SB (010000) is a 1000ft 2-pair 4-conductor audio control interconnect Shipboard Cable with 22AWG stranded 1/3 308 tinned copper conductors, polypropylene insulation, 100% Beldfoil® aluminum foil-polyester tape shield (100% coverage) and black low smoke zero halogen (LSZH) jacket.

Order Code 1179042

ENVIROFLEX RG316

RG316D/RG316 LSFH. 50 Ohm, 6 GHz, 100°C. 0.16 mm. RADOX® jacket. Flame retardant, UL AWIM style 3651, CPR qualified

Order Code 89AH1615

FIT221 HEAT SHRINK TUBING

The FIT-221-1/2 WH105 is a 20ft white multipurpose irradiated polyolefin Heat Shrink Tube ideal for harnessing, wire bundling, strain reliefs or any applications where components must be insulated or packaged. FIT® 221 frame-rendant tubing has a shrink ratio approximately 2:1 at 120°C.

Order Code 97F8956

SLEEVING, OVAL WIRE

The 2144 SV005 is a Braid Tinned Copper Oval Sleeve. The sleeving is an exceptional, low resistance way to create a point-to-point ground strap. In retrofit applications, braid is an ideal way to install additional shielding to your cable.

Order Code 02F9795

OLFLEX TRAY II CY

OLFLEX® Tray II CY is an Industrial Grade Shielded Multiconductor Tray Cable with superior oil performance for long cable life. It has a pressure-extruded jacket and fine copper stranding for excellent flexibility. With UL TC-ER approval, no conduit is required reducing material costs and saving on labor.

Order Code 69AC7456

NYLON 6.12 CABLE TIE

Cable Tie. 188MM. Nylon 6/12, 50LB ROHS Compliant: YES

Order Code 68AK6020

GROMMET

The QFG-16220 is a Grommet. Features: Open, 6 mm, TPE (Thermoplastic Elastomer), 10 mm, 3 mm

Order Code 28AH1246

ERG50 CABLE MANAGEMENT TOOL

The ERG50 tool from Thomas & Betts is a Cable tie installation tools. This tool is used for cable tie tensile strength from 80N to 220N. The ERG50 provide a superior level of reliability and performance combined with enhanced ergonomics and comfort of use.

Order Code 22M0151

FIT221 HEAT SHRINK TUBING

The FIT-221-1/2 WH105 is a 20ft white multipurpose irradiated polyolefin Heat Shrink Tube ideal for harnessing, wire bundling, strain reliefs or any applications where components must be insulated or packaged. FIT® 221 frame-rendant tubing has a shrink ratio approximately 2:1 at 120°C.

Order Code 97F8956

PAN STEEL CABLE TIE

MLT series Pan-Steel® self-locking cable tie speeds up installation with a unique self-locking head design that locks into place at any part of the tie body. Provides additional edge protection and prevents corrosion between dissimilar metals.

Order Code 84F1854

ERG50 CABLE MANAGEMENT TOOL

The ERG50 tool from Thomas & Betts is a Cable tie installation tools. This tool is used for cable tie tensile strength from 80N to 220N. The ERG50 provide a superior level of reliability and performance combined with enhanced ergonomics and comfort of use.

Order Code 22M0151

FIT221 HEAT SHRINK TUBING

The FIT-221-1/2 WH105 is a 20ft white multipurpose irradiated polyolefin Heat Shrink Tube ideal for harnessing, wire bundling, strain reliefs or any applications where components must be insulated or packaged. FIT® 221 frame-rendant tubing has a shrink ratio approximately 2:1 at 120°C.

Order Code 97F8956

PAN STEEL CABLE TIE

MLT series Pan-Steel® self-locking cable tie speeds up installation with a unique self-locking head design that locks into place at any part of the tie body. Provides additional edge protection and prevents corrosion between dissimilar metals.

Order Code 84F1854
TRIM TRIO® WATERPROOF CONNECTORS

The UTG61412PN from Souriau is a plastic circular cable plug connector housing with 12 pin contacts. This connector has shell size of 14. UTG series connectors are economical, lightweight and have robust metal locking system.

Order Code 16F5735

M12 SENSOR CONNECTORS

Connector System for machine industrial automation and control applications provides a solution for the increasing needs of sensor connections that safely and reliably ensures the communication in industrial environments.

Order Code 97Y2334

M12 PUSH-PULL CONNECTORS

The SACC-M12MS-8CON-PG9-M is a 8-position straight M12 Plug-in Connector with Au plated CuZn contact, PA carrier contact and grip body, zinc die-cast/nickel-plated knurls and NBR sealing. Flexible connectors for on-site assembly.

Order Code 70W0559

HD SERIES HEAVY DUTY CONTACT

HD Series of Heavy duty connector, copper alloy crimp, gas-tight and corrosion-resistant.

Order Code 10B7656

AT SERIES CRIMP

Amphenol AT Series stamped & formed contacts designed for heavy duty applications to accommodate 4AWG wire size, nickel plated.

Order Code 71AH0481

900 SERIES BUCANEER

The PXA9/10/07/P from Bulgin is a Buccaneer 7 Pole flexible cable connector plug.

Order Code 14J6734

APD SERIES CONNECTORS

The APD-185-K2 is a 4-way high-power plug with silver-plated copper-alloy contacts. This APD series plug has a PBT housing and a PA 66 coupling nut.

Order Code 65T3409

NANO-CHANGE SERIES CONNECTORS

The N03MA03124 is a 3-pole straight male Field Attachable Connector with gold-plated brass contacts. The Nano-Change® (M8) industry standard connector is rugged, space-saving and sealed connector for miniature sensors and actuators in industrial control applications.

Order Code 12N2328

CGRID III HEADER

CGrid III 40 contact through hole pin header; versatile design breakdown header; gold plated contacts.

Order Code 60H4193

HAN E SERIES CONTACTS

Han E Series heavy duty contacts feature copper alloy, gold plated contacts for 10AWG wire ideal for industrial design.

Order Code 49AK6843

CPC SERIES 1

Rugged, cost-effective connectors that can be used to provide power input and output to and from virtually any device. The use of CPC cable assemblies enables customers to reduce installation time, meet harsh and space saving requirements.

Order Code 46F313

CAPLOCK & PLUGLOCK LOCKING ACCESSORIES FOR 38999, RJFTV, USBFTV CONNECTORS AND CAPS

CapLock is a locking ring that allows a Cap to lock onto a receptacle to secure the port access. PlugLock is a locking ring that allows a plug to lock onto a receptacle to secure the plug to receptacle connection.

Order Code 41AK2416

DUALOBE SERIES RECTANGULAR POWER CONNECTOR

Dualobe Series PCB Mount Rectangular Power connector, 15 contacts; Surface Mount, with termination screws.

Order Code 08H4189

MICROFIT HEADER, BLIND MATE

MicroFit 3.0 Family is rated up to 5.0A at a small-form 3.00mm pitch. Dual row header features guides for blind mating, heavy duty applications.

Order Code 01AH1254

MEGA-FIT OVERMOLDED CABLE ASSEMBLY

Molex Mega-Fit Overmolded Cable assembly, 2 position receptacle 19.7” length wire; many options available.

Order Code 88AH3256
HAN MODULAR COMPACT

Han Modular series of heavy duty connector hood features side cable entry mounting, die-cast zinc with nickel plated finish and is for use in -40°C to +125°C temperature range.

Order Code 29H1466

MAGNETIC 5A CONNECTORS

The MP magnetic connectors are a fantastic solution if you require a 2 contact connector. Nd-Fe-B magnetic connectors are able to withstand at least 5000 mating cycles. Cable connector available as in-line or right angle and comes with 2m 2 core cable.

Order Code 64AH1568

MINI I/O CONNECTORS

Rectangular connectors that transfer data between devices in industrial applications. Supporting Power over Ethernet (PoE), PoE+ and PoE++ IEEEE802.3at and IEEEE802.3bt and Data rates from 10Mbps up to 10Gbps.

Order Code 40Y2963

IP67 RJ45 / USB CONNECTORS

For data communication in harsh environments. CONEC has developed USB and RJ45 connectors in plastic, metalized plastic or full metal shells with IP67 protection IP67 for use where dust and spray water occur.

Order Code 61AK4816

MACHINED MICRO-D SPACE SAVING CONNECTOR TECHNOLOGY


Order Code 31AJ9720

MICRO D CABLE ASSEMBLIES

High density miniaturized connectors supporting the demand for environmentally safe, high temperature and ruggedized moisture-sealed interconnects.

Order Code 75AH8605

NEWARK.COM

USB TYPE C 240 W POWER DELIVERY

Avoid the frustration of product to failure with GCT’s range of high reliability USB Type-C connectors rated at 20,000+ cycles which is twice the industry standard.

Order Code 86AH2022

INDUSTRIAL ELECTRICAL CONNECTORS

A comprehensive range of CEE Connectors available in IP44 & IP67 variants. Ruggedized Male & female options in 3, 4, 5 poles. Complies to CEE/IEC 60309-1/60309-2. Suited to many applications including, Industrial, Factory, & Warehousing, Machinery, Workshops plus many more.

Order Code 67AK5680

HEAVY DUTY CONNECTORS

A full range of heavy-duty inserts, housings, crimps and accessories. These connectors have been created for applications that are subjected to harsh environments or where high vibration can cause standard connectors to fail. Ideal for food & beverage manufacturing, packaging machines, conveyor belt systems, railway, oil & gas.

Order Code 32AK0456

IP67 M12 PUSH-PULL CONNECTORS

The MP M12 push-pull connectors are a range of chrome plated brass connectors that are both solid enough to be used within tough environments whilst also being aesthetically pleasing. 12mm panel cutout size, push-pull coupling, 2-9 poles, rated up to 13A / 250V, minimum of 500 mating cycles.

Order Code 64AH1717

IX INDUSTRIAL® ETHERNET INTERFACE

Minimized alternative to the RJ45 for IIoT and industry 4.0. Smaller and more robust IP20 plug-in connection which can still produce Cat 6A performance for 1/10Gbit/s Ethernet.

Order Code 78AC4930

SINGLE PAIR ETHERNET IP20 CONNECTORS

Single Pair Ethernet (SPE) connectors for Industrial applications bring direct Ethernet connectivity to peripheral devices like sensors, actuators, and vision system cameras that operate at speeds up to 1Gb/s.

Order Code 62AJ3553

INTERCONNECTS

High density miniaturized connectors supporting the demand for environmentally safe, high temperature and ruggedized moisture-sealed interconnects.

Order Code 41AJ7431

M24308 CONNECTORS

Small enough to fit into tight spaces and with proven reliability, MIL-DTL-24308 connectors are an ideal choice for mission-critical tasks where connector performance cannot be a question. Positronic has held its position on the MIL-DTL-24308 QPL for over 40 years.

Order Code 41AJ7431

A full range of heavy-duty inserts, housings, crimps and accessories. These connectors have been created for applications that are subjected to harsh environments or where high vibration can cause standard connectors to fail. Ideal for food & beverage manufacturing, packaging machines, conveyor belt systems, railway, oil & gas.

Order Code 32AK0456
A WORLDWIDE TEAM WITH A LOCAL FOCUS

Headquarters & Offices in NA

<table>
<thead>
<tr>
<th>US</th>
<th>Mexico</th>
<th>Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>newark.com</td>
<td>mexico.newark.com</td>
<td>canada.newark.com</td>
</tr>
</tbody>
</table>
BUILD AND MAINTAIN YOUR INDUSTRIAL CONTROL PANEL FOR 20% LESS*

From the enclosure outside, the components within, and everything else that keeps them operating safely – engineers choose Multicomp Pro.

Developed by our engineers for engineers like you, Multicomp Pro products and components meet the quality standards engineers require and the value they need to build and maintain industrial control panels at a lower cost without sacrificing quality.

> Cable & Cable Management
> Tools
> Outside the Panel
> Inside the Panel
> Panels
> Converters

*Typically 20% less than other brands