

OUR PEOPLE POWER YOUR SUCCESS



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.

HELLO AND WELCOME TO OUR MANUFACTURING SOLUTIONS SHOWCASE

At element14, 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 element14, 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 MeadmoreVP Product & Supplier Management

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INDICATOR, SATIN CHROME BEZEL, GREEN



The 559-0103-007F is a 5mm front diffused panel-mount red snap-in LED Indicator for 0.25-inch mounting hole, 12V integral resistor. It is designed for quick positive insertions in panels. The straight 14-inch wire leads terminals are suitable for wire-wrapping.

DIALIGHT RED PANEL

MOUNT INDICATOR



INDUSTRIAL PANEL MOUNT **INDICATORS / SWITCH INDICATORS**



The 19010351 is a 24VDC 2-connector panel-mount standard green LED Indicator with satin chrome metal super-flat bezel and M8 screw thread. It has brass anode and tinned cathode terminal pin assignment, Makrolon 2805 plastic construction, diffused lens surface and tab terminals connector.



Order Code

Order Code 1138325

1105266

RED PANEL MOUNT INDICATOR



The T000305 is a red panel-mount standard LED Indicator offers prominent-style bezel with flying

STANDARD LED INDICATOR

RED PANEL-MOUNT



The 19050353 is a LED Panel Mount Indicator with satin chrome recessed metal bezel, M8 screw thread and 8mm maximum panel thickness. Round-shaped green lens. Brass terminal for anode, tinned terminal for cathode.



Order Code

1105286

LED HOLDER WITH **FOCUSING REFLECTOR**



The A105000 from Arcolectric is a LED holder with focusing reflector



Order Code 2472233

LED PANEL INDICATOR 24V 20MA QUICK CONNECT

tinned terminal for cathode.





CMI

for use with 5mm, T-1 3/4 LEDs.



Order Code

1105287

Order Code

140007

254915

NEON INDICATOR AMBER



232312

Order Code

The C0180AANAB is a Neon Indicator with 15mm round lens and terminal barrier (6.3 x 0.8mm QC). It comes with a Starlock fixing ring



PANEL-MOUNT GREEN LED INDICATOR



The 19010051 is a panel-mount green LED Indicator with satin chrome bezel and maximum 30mA current at 2.2VDC voltage. Due to production tolerances, colour temperature variations may be detected within the individual consignments.



Order Code

1368960

SNAP-IN NEON INDICATOR WITH A MODERN STYLE **POLYCARBONATE COLOURED ROUND LENS**



The C282000NAD is a Neon Indicator with 6.3mm termination tabs and long terminal barrier. Snap-in neon indicator with a modern style polycarbonate coloured round lens (13.6mm). An appropriate resistor is incorporated in the body moulding.

Order Code

147411

LED PANEL MOUNT





Order Code

1369151

SIGNALLING INDICATOR **NEON - RED**

The C0180AANAA is a Neon



leads.

Dialight

arcolectric

and terminal barrier (6.3 x 0.8mm QC). It comes with a Starlock fixing ring

Indicator with 15mm round lens



THE 559 RECTANGLE **SERIES SNAP-IN LED INDICATORS**





Order Code

1138319

SNAP-IN NEON INDICATOR WITH A MODERN STYLE **POLYCARBONATE COLOURED ROUND LENS**

The C282000NAB is a Neon Indicator with 6.3mm termination tabs and long terminal barrier. Snap-in neon indicator with a modern style polycarbonate coloured round lens (13.6mm) An appropriate resistor is incorporated in the body moulding.



Order Code

147410

CURTIS 700 SERIES IS PCB MOUNTABLE HOUR METER

The CD701-024 is part of the Curtis 700 series is PCB mountable hour meter, it is suitable for OEMs, contract manufacturers, and panel makers for monitoring equipment usage, scheduling maintenance, warranty validation, rental/leasing use and more



Order Code

516284



NEON PANEL INDICATOR AMBER QUICK CONNECT

The C027500NAE is a red low profile neon indicator with a nylon body and polycarbonate round-shaped lens. The neon indicator comes with a chrome bezel and fixing nut. An appropriate resistor is incorporated in the body



moulding Order Code



arcolectric



INDUSTRIAL ETHERNET SWITCHES

multicomp_{PRO}

POE INDUSTRIAL SWITCHES multicomp

DIGITAL TIME SWITCHES



Plug and play industrial 5 port fast Ethernet network switch with integrated DIN mounting. The high operating temperature range and IP20 rated case makes it ideal for a range of applications.



A range of 5 ports 10/100 Fast Ethernet Switches. Send power and data to remote hardware. No software required. Simply plug in and connect.



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

3257512

Order Code 4141429

1895460

Order Code

SWITCH SIZED NEON INDICATOR LIGHTS

multicomp_{PRO}

T120 PANEL INDICATOR **LIGHTS**

multicomp PRO





These snap in, panel mount indicators can be easily fitted next to a switch on a panel to ensure continuity of design. Green, Red and Amber colour options and 13x19mm, 11x30mm or 22x30mm panel cut out sizes.



250V dome-shaped Neon indicators available in red, green or amber with 10mm, 12mm or 13mm cut-outs.



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



Order Code

Order Code 2612083

3833948

Order Code 3833959 Order Code 3223716

LIQUID LEVEL

OMRON CONTROLLERS

IPS TFT DISPLAYS - SCREEN SIZES FROM 4.3" TO 15.6"

multicomp PRO

OPEN FRAME TFT DISPLAYS

multicomp_{PRO}

Fully automatic operation enables both draining and filling simultaneously with a single device. Adjustable sensitivity level from 1k to 200k Ohm, 110VAC, 240VAC & 400VAC supply voltage options.



These next-generation of IPS TFT HDMI Displays offer a simple & fast method to integrate a display into your product via an LVDS conversion module on board. Simply connect the display with any single board computer, or computer device with an HD output. Ideal for use with Raspberry Pi, UP or iBASE computers.



Choice of 7", 10.1", 10.4" and 12.1" active displays within a metal frame that is ideal for use with SBCs, as an HMI or with any device which has an HDMI output. The

displays have projected capacitive touch, HDMI interface, automatic dimming and support Rear or VESA mounting enabling easy installation into your equipment.



Order Code

4067627

Order Code 4156127

CONNECTOR END STOP FOR DIN RAIL TERMINAL

The 249-117 from Wago is a 10mm wide, grey colour screwless end



SINGLE GANG 47MM DRY LINING BOX

APPLEBY

QUICK MOUNTING END CLAMP



stop for use with terminal blocks.



This SFSB632 dry lining box from Appleby has a large flange around the front that prevents slipping into cavities and matches the profile of the front plate. The box is manufactured from flame retardant thermoplastic and the adjustable tough yellow nylon lugs have large bearing faces for superior strength.



End clamp, din rail terminal block,



Order Code

Order Code 3458750



Order Code

3259549



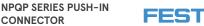
537895

INDUSTRIAL PANEL MOUNT **INDICATORS / SWITCH INDICATORS**

Life Is On Schneider

PLIN-H SERIES **HYDROLYSIS-RESISTANT** PLASTIC TUBING







The ZBVB1 is a 24VAC/DC white LED Light Block for Ø22mm pushbutton head.



Pneumatic Tubing, 2 mm, 1.2 mm, PU (Polyurethane), Red, 6 bar, 50 m.



Pneumatic Fitting, Push-In Fitting, 10 bar, 6 mm, PP (Polypropylene), NPOP



Order Code

2058818

Order Code 3432486 Order Code 3431908



MULTI-TUBE HOLDER

FESTO

NPQP SERIES PUSH-IN CONNECTOR

FESTO

PUSH-IN T-FITTING

FESTO

Multi-Tube Holder, Pneumatic Cylinder.



Pneumatic Fitting, Push-In L-Fitting, R1/4, 10 bar, 8 mm, PP (Polypropylene), NPQP.



Pneumatic Fitting, Push-In T-Fitting, R3/8, 10 bar, 10 mm, PP (Polypropylene), NPQP.



Order Code

3439465

QSLV SERIES

3431864

Order Code

Order Code

3431820

Order Code

3431888

MULTI-CONNECTOR FITTING

Pneumatic Fitting, Multiple Distributor, R1/4, 14 bar, PBT (Polybutylene Terephthalate), QSLV3.



QSY STANDARD SIZE PUSH-IN Y-CONNECTOR

FESTO

QSS STANDARD SIZE PUSH-IN BULKHEAD CONNECTOR

FESTO



Pneumatic Fitting, Push-In Y-Fitting, 14 bar, 10 mm, PBT (Polybutylene Terephthalate), QSY.



Pneumatic Fitting, Push-In Bulkhead Fitting, M12, 14 bar, 4 mm, Brass, QSS.



Order Code

3439283

PNEUMATIC FESTO

UC PE 10BAR PNEUMATIC

Order Code

3432103

FITTING - REDUCING **NIPPLE**

Pneumatic Fitting, Reducing Nipple, G3/8, G1/4, 50 bar, Brass,



SILENCER

PNEUMATIC REGULATOR

FESTO



Pneumatic muffler, 10 bar, G1/4.



Pressure regulator, 14 bar, G1/4, 1700lpm.



Order Code

3437109

DOUBLE ACTING COMPACT AIR CYLINDER BASED ON ISO 21287

ESTO

Order Code 3432467

VALVE

Order Code

3432612

3437072

Order Code

FESTO

Cylinder, DBL acting, 40mm, 10 bar, 40mm



One-way flow control valves regulate the piston speed of pneumatic drives during the advance and return strokes. This is done through suitable restriction of the flow rate of compressed air in exhaust air or supply air direction.

ONE-WAY FLOW CONTROL

FESTO

Cylinder, DBL acting, 20mm, 10 bar, 20mm.

SHORT-STROKE CYLINDER



Order Code

3431268

INDUSTRIAL 5 PORT FAST ETHERNET NETWORK SWITCH

brain boxes

DC MOTOR GEARMOTOR 160 RPM 6VDC

Videc NIDEC COMPONENTS CONTACT BLOCK WITH **SCREW TERMINALS**

Order Code

3431111



Switch, 5 Ports, Industrial, Unmanaged Fast Ethernet, DIN Rail, RJ45 x 5, 10Mbps, 100Mbps.



Geared DC Motor, 60:1, 6 V, 213 rpm, 60 mN-m.



Contact Block, 1NO, 6 A, 500 V, 1 Pole, M22 Series, Screw.



Order Code

2723863

Order Code

3498735

Order Code 3718347



MARL 113 SERIES PCB MOUNTED LED

The 113-305-01 is a 3mm 1-way PCB Mount LED suitable for a wide range of PCB applications. This nylon66 (A82) housing material offers UL94V-0 flame retardancy and high-impact strength. This material has a melting point of 200 to 220°C and is suitable for use in the majority of automatic soldering processes.



MARL

The A10480A from Arcolectric is a 3/4 LFDs



MARL 103 SERIES PCB **MOUNTED LED**

The 103-314-04 is a 3mm 20mA green right angle PCB Mount LED saves on board space and assembly time. The 103 series diffused LED gives wide viewing angle. It offers reduced power consumption, outstanding reliability and meets industrial requirements.



MARL

Order Code

9739220

PCB MOUNT LED- RED

The 103-305-04 is a 3mm 20mA red right angle PCB Mount LED saves on board space and assembly time. The 103 series diffused LED gives a wide viewing angle. It offers reduced power consumption, outstanding reliability and meets industrial requirements. The long lead of a non cropped unit can also be used to help identify the anode.



MARL

Order Code 9737286

LED LAMP HOLDER SEALED WITH FOCUS REFLECTOR

The A10500A is a 5mm LED Lamp Holder Sealed with focus reflector, Ø8mm panel cutout, 10mm diameter, 17.9mm length, brass holder with a chrome finish.



arcolectric

Order Code

232336

LED PANEL MOUNT **INDICATOR - GREEN**

The T010315 is a green panel-mount standard LED Indicator offers recessed bezel with flying leads.



Order Code

2472251

GREEN NEON INDICATOR. PANEL MOUNTING

The L024500MAC is a mains voltage rated panel-mount green LED indicator with a resistor and diode. It is a direct fit replacement for standard neon indicators. It is less susceptible to damage, vibration and flicker-free.



arcolectric

Order Code

9630759

BULGIN LED PANEL MOUNT INDICATORS CHROME ASSEMBLED W/SEALING

LED holder for use with 5mm, T-1



Order Code

232324

PCB MOUNT LED - YELLOW

The 103-311-04 is a 3mm PCB Mount LED suits semi-custom PCB designs. This nylon 66 (A82) housing material offers UL94V-0 flame retardancy and high impact strength. This material has a melting point of 200 to 220°C and is suitable for use in the majority of automatic soldering processes.



CAMDENBOSS

MARL

Order Code

9737294

GREEN NEON INDICATOR WITH THREADED BODY FOR PANEL THICKNESSES, FITTED WITH A RESISTOR

The IND515205-240-T/GRN is a 240V Green Neon Indicator with threaded body for panel thicknesses, fitted with a resistor. The indicator with polycarbonate lens/body, chrome bezel, supplied with nut and shake proof washer, PVC stripped red wire termination, top hat transparent amber lens



LED PANEL INDICATOR RED WIRE LEADS

The L024500MAA is a mains voltage rated panel-mount red LED indicator with a resistor and diode. It is a direct fit replacement for standard neon indicators. It is less susceptible to damage, vibration and flicker-free.



MARL

arcolectric

Order Code

9630732

3MM 1-WAY PCB MOUNT LED

The 113-311-01 is a 3mm 1-way PCB Mount LED suitable for a wide range of PCB applications. This nylon66 (A82) housing material offers UL94V-0 flame retardancy and a high impact strength. This material has a melting point of 200 to 220°C and is suitable for use in the majority of automatic soldering processes.

Order Code

9739238



Order Code

9737308

PANEL MOUNT INDICATOR- NEON INDICATOR

The H0568BYNAA is a Neon Indicator with 9.5mm round 2.3mm deep domed lens and short terminal barrier.





Order Code

8264767

CIRCUIT BOARD INDICATOR- YELLOW





The 103-311-01 is a 3mm PCB Mount LED suits semi-custom PCB designs. This nylon 66 (A82) housing material offers UL94V-0 flame retardancy and high impact strength. This material has a melting point of 200 to 220°C and is suitable for use in the majority of automatic soldering processes.



9738231

PCB MOUNTED 2-WAY RIGHT ANGLE LED LIGHT

The 515-1061F is a 3mm round Bi-level Optical Light Pipe with standard design intended as a SMT compatible replacement for 553 series circuit board indicators. The light outputs are spaced vertically 0.1-inch from the PCB to the first element and then 0.2-inch between the top and bottom elements.



Order Code

1461585

LED INDICATOR WITH **CHROME-PLATED BRASS BEZEL AND WIRE LEADS**

The L024500MAB is an amber panel-mount LED Indicator with chrome-plated brass bezel and wire leads. This mains voltage rated LED indicator is a direct fit replacement for standard neon indicator. It is more robust, less susceptible to damage and vibration and is flicker-free.

Order Code

9630740









AMBER PANEL-MOUNT

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.

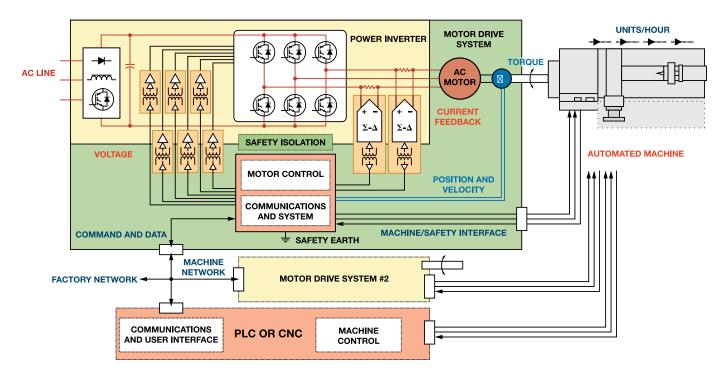


Figure 1: Block diagram of automated machine control system



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.

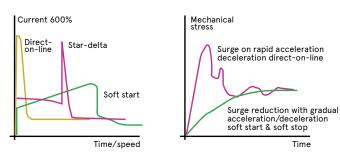


Figure 2: Performance curve as compared to direct-on line, Star-delta and Soft Start

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.



DC AXIAL FAN, 24 V, SQUARE, 40 MM, 20 MM, **BALL BEARING, 8.2 CFM**

The 109P0424H602 is a 24VDC 20mm thick Axial Fan with ball bearing and wire leaded power connection. This San Ace 40-series 9P-type fan comes with plastic frame and impeller. UL1007, 24AWG +red and -black lead wire. Clockwise direction of rotation viewed from front of fan blade and continuously run in a free air state.



1838827

DC AXIAL FAN, 24 V, SQUARE, 40 MM, 10 MM, **SLEEVE BEARING, 4.71 CFM**

ebm-papst offers a wide range of DC axial fans from 25 mm to 280 mm in size. Many DC fans can be operated on voltages that are up to 50% lower and 25% higher than their nominal voltage (see voltage range in the data sheet).

Order Code

9601295

FAN BLOWER, RLF 35 SERIES, FLATPAK, 24 VDC, DC, 51 MM, 15 MM, 5.7 CFM

The RLF35-8/14N is a 24VDC Centrifugal Compact Fan with ball bearing and wire leaded power connection. Scroll housing of fibreglass-reinforced plastic, fibreglass-reinforced plastic impeller.

Order Code

1293483

PLASTIC ENCLOSURE. HANDHELD, NYLON, 266 MM, 105 MM, 85 MM, IP65

Pilot 150 type polyamide hand enclosure for automation and control engineering.



Order Code 1799773

DC AXIAL FAN, BALL,

24CFM, 0.09A, 24V

DC Axial Fan, 24 V, Square, 60 mm, 25 mm, Ball Bearing, 24 CFM.



NMB

DC Axial Fan, 24 V, Square, 40 mm,



108.4CFM, 42.5DB

DC Axial Fan, 24 V, Square, 119 mm,



DC AXIAL FAN, 24 V, **ebm**papst SANYO DENKI SQUARE, 40 MM, 20 MM,

ebm-papst offers a wide range of DC axial fans from 25 mm to 280 mm in size. Many DC fans can be operated on voltages that are up to 50% lower and 25% higher than their nominal voltage (see voltage range in the data sheet).

SLEEVE BEARING, 5.89 CFM



ebmpapst

ebmpapst

AC AXIAL FAN, 230V, **SQUARE, 119 MM, 38 MM, SLEEVE BEARING, 94.17 CFM**

The renowned ebm-papst range of fans are based on experience gained from decades of development know-how, millions of units in series production, and the innovation competence of a world-wide technology pioneer.



ebmpapst

Order Code

9599711

DC AXIAL FAN, 12 V, SQUARE, 60 MM, 15 MM, SINTEC BEARING, 15.9 CFM

A range of ebm-papst compact fans aimed at the PC Cooling market. This family of especially quiet cooling fans comes complete with connectors for connection to the motherboard and cover sizes from 40mm to 120mm.



ebmpapst

Order Code

1875283

DC AXIAL FAN, 24 V, SQUARE, 60 MM, 25 MM, **SLEEVE BEARING, 33 CFM**

ebm-papst offers a wide range of DC axial fans from 25 mm to 280 mm in size. Many DC fans can be operated on voltages that are up to 50% lower and 25% higher than their nominal voltage (see voltage range in the data sheet).



FIBOX

ebmpapst

Order Code

9600655

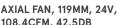
PLASTIC ENCLOSURE, IKO8, HIGH BASE, MULTIPURPOSE, POLYCARBONATE, 60 MM,

130 MM, 180 MM, IP66, IP67 The PC 150/60 HG is a MNX Enclosure made of polycarbonate (PC) with grey cover. This enclosure utilises world-class injection moulding technology. It is

designed to house and protect all kinds of electrical and electronic components in the most demanding applications.

Order Code

2473466





38 mm, Ball Bearing, 108.4 CFM.



Order Code

3794021

Order Code 9601309

ebmpapst

ebmpapst

DC AXIAL FAN, 24 V, **SQUARE, 119 MM, 38 MM,** BALL BEARING, 105.9 CFM

ebm-papst offers a wide range of DC axial fans from 25 mm to 280 mm in size. Many DC fans can be operated on voltages that are up to 50% lower and 25% higher than their nominal voltage (see voltage range in the data sheet).

Order Code

1447909

DC AXIAL FAN, 24 V, SQUARE, 50 MM, 15 MM, SLEEVE BEARING, 11.8 CFM

ebm-papst offers a wide range of DC axial fans from 25 mm to 280 mm in size. Many DC fans can be operated on voltages that are up to 50% lower and 25% higher than their nominal voltage (see

voltage range in the data sheet).

Order Code

9600205

METAL ENCLOSURE. 1455 SERIES, EXTRUDED WITH METAL END PANELS, SMALL, **EXTRUDED ALUMINIUM**

The 1455 series enclosures from enclosures with metal end plates

Hammond is extruded aluminium suitable for electronic instruments and PCB boards. These enclosures are part of electronic equipments used in any industry for hazardous application.

Order Code

4272857

Order Code

3794012

DC AXIAL FAN, BALL,

NMB8.8CFM, 0.05A, 24V

20 mm, Ball Bearing, 8.8 CFM.

Order Code 3642832



HEAT SINK, ULTRA-FIN™, 0.04 °C/W, 101.6 MM, 32 MM, 300 MM



HEAT SINK, ULTRA-FIN™, 0.12 °C/W, 101.6 MM, 32 MM, 100 MM



HEAT SINK, SQUARE, PCB, FOR D PAK, 22.8 °C/W, SO-8, SO-10, SO-14, SO-16, SOT-223, TO-263, 13 MM

fucher elektronik ###

Latest generation extrusion technology and Increased thermal performance from a lower mass. Optimum performance achieved when force air cooled 0.04°C/W.



The 890SP-01000-A-100 from H S Marston is a surface-mount high density cooling Ultra-Fin. This Ultra-Fin is developed in extrusion technology allows a much higher fin height to fin spacing ratio.



The FK 244 13 D2 PAK from Fisher Elektronik is a heatsink for D PAK SMD component. Heatsink dimension is 13mm x 26mm x 10mm (L x W x H).



Order Code

4106015

FAN / FORCE COOLED HEAT SINK, HOLLOW FIN AGGREGATE, 0.085 °C/W, 120 MM, 122 MM, 200 MM

The LA 17/200 24V is a 200mm 230VAC/24VDC fan-cooled Heat Sink with raw degreased aluminium, axial fan, surface mounting, 0.085 to 0.05K/W thermal resistance and without airflow chamber.





The PFL2T is a RFI/EMI Enclosure with bright acid tin-plated (good commercial grade) mild steel (BSEN10130DC01) construction. Standard and custom PCB mounting enclosure offers individually and functionality, ideally suited to board level screening applications.



PLASTIC ENCLOSURE, IKO8, HIGH BASE, MULTIPURPOSE, POLYCARBONATE, 60 MM, 130 MM, 180 MM, IP66, IP67

Order Code

Order Code

Order Code

Order Code

4081171

4437305

2473466

4302436

The PC 150/60 HG is a MNX Enclosure made of polycarbonate (PC) with grey cover. This enclosure utilises world-class injection moulding technology. It is designed to house and protect all kinds of electrical and electronic components in the most demanding applications.

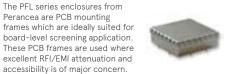




Order Code

1222532

METAL ENCLOSURE, EMI/ RFI, SCREENING CAN, STEEL, 16 MM, 55 MM,



Order Code 1181374

Order Code

4105977

Order Code

1004105

Order Code

1774441

PLASTIC ENCLOSURE, IK08 / IK09, WALL MOUNT, POLYCARBONATE, 130 MM, 190 MM, 190 MM, IP66, IP67

The EKHA 130 T is a Non-metallic Enclosure made of polycarbonate with transparent cover. It features one or more flange openings, permitting modular assembly of multiple units and easy management of wiring with a wide assortment of accessory flange plates.



METAL ENCLOSURE, DIECAST, FLANGED LID, IP54, SMALL, DIECAST ALUMINIUM, 51 MM, 51 MM, 31 MM, IP54

1590 series general purpose, wall-mounting diecast aluminium enclosure with flanged lid and standard version.





Order Code

1181375

PLASTIC ENCLOSURE. FLAME RETARDANT, MULTIPURPOSE, ABS, 25 MM, 56 MM, 85 MM, IP54

The 1591XXMFLGY is a multipurpose Enclosure made of flame retardant ABS plastic with flanged lid. It is ideally suited for horizontally mounting printed circuit boards are designed for vertical board mounting.





PLASTIC ENCLOSURE, DIN RAIL, PLASTIC, 90 MM, 22.5 MM, 82 MM, IP20

Vertical box designed for 5mm pitch plug-in terminal blocks. The plates are to cover unused terminal areas and come in either solid or perforated. Three sides accept 12 way terminal blocks on each side.



PLASTIC ENCLOSURE. WATERTIGHT. MULTIPURPOSE, ABS, 61 MM, 160 MM, 160 MM, IP66

Multipurpose watertight plastic enclosure ideally suited for mounting printed circuit boards or DIN rail mounted components.





Order Code

1877174

AXIAL FAN, 172MM, 230VAC, 212CFM, 56DBA



Order Code

9600353

DC AXIAL FAN, 24 V, SQUARE, 60 MM, 25 MM, SLEEVE BEARING, 27.1 CFM

ebm-papst offers a wide range of DC axial fans from 25 mm to 280 mm in size. Many DC fans can be operated on voltages that are up to 50% lower and 25% higher than their nominal voltage (see voltage range in the data sheet).





AC AXIAL FAN, 230V, **SQUARE, 119 MM, 38 MM,** BALL BEARING, 94.17 CFM

The renowned ebm-papst range of fans are based on experience gained from decades of development know-how, millions of units in series production, and the innovation competence of a world-wide technology pioneer.



ebmpapst

Order Code

9601520

AC Axial Fan, Rectangular with Rounded Ends, 172 mm, 38 mm, Ball Bearing, 212 CFM.



Order Code

3642846























Standard **Power Solutions**

Modular Power





Enclosed Type



LRS/SE/RS/ RD/RT/RQ Series



HRP-N3 Series



UHP Series



HEP Series



RSP/RST/SHP Series





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



System Power







RSD Series



DDR/DDRH Series NSD/NID Series





Module Type

Green Adaptor







NPB/NPP Series



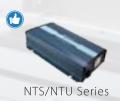
RPB/RCB Series



ENC Series



GC Series







LOW PROFILE DIN RAIL **MOUNT POWER SUPPLIES**

The DSP10-24 from TDK Lambda is a 10.1W low-profile power supply with DIN rail mounting. It complies with UL1310 Class 2(1), UL508 Listed, UL60950-1, EN60950-1, CE safety standards for low profile applications.





480W SINGLE OUTPUT DIN RAIL MOUNT POWER

The DPP480-24-1 is a 24V/480W 1-output DIN-rail mount Power Supply with wide range AC input, active PFC, parallel function switch, convection cooled, 120 to 140% over-current and 30 to 33V overvoltage protection. This power supply supports global use, easier system configuration and integration.

SUPPLIES

Order Code

1996013

ADAPTOR

TDK-Lambda



15W ULTRA SLIM STEP SHAPE DIN RAIL POWER SUPPLY



HDR-15 series economical ultra slim 12-15.4W DIN rail power supply to be installed on TS-35/7.5 or TS-35/15 mounting rails. The body is designed 17.5mm in width which allows space saving inside the



Order Code

1456476

320W SINGLE OUTPUT WITH PFC FUNCTION **POWER SUPPLY**

RSP-320-5 is a RSP-320 series 320W single output enclosed type AC/DC power supply. This offers the models with the DC output mostly demanded by the industry. It is cooled by the built-in fan with fan speed control, working for the temperature up to 70°C.



GST60A series is a highly reliable 30-60W desktop style single output green adaptor. This product is a class I power unit equipped with a standard IEC320-C14 AC inlet and adopting the input range from 90V AC to

60W AC-DC RELIABLE

GREEN INDUSTRIAL



ISOLATED SURFACE MOUNT DC/DC CONVERTER



IES01 series single output DC-DC power supply ideal solution for isolating voltage rails in a distributed power supply architecture such as analogue, digital, data and relay circuits.

Order Code

Order Code

3534640

3890264

Order Code

2815635



Order Code

2816052

AC/DC ENCLOSED POWER **SUPPLY**



LCW50 series regulated output convection cooled AC to DC power supplies are designed to provide a cost-effective solution for industrial electronics, technology and household applications.



2815916

264V AC

Order Code

160W AC/DC PCB MOUNT **POWER SUPPLY**



ASB160PS24 is a 160W ASB160 series low profile, full brick, baseplate cooled AC to DC power supply which requires no external components. The series includes a complete built in EMC filter and AC fuse as well as bulk storage capacitor providing a complete AC-DC power solution ready for installation into end applications.

Order Code

4145370

XP Power





The DRC range of compact lightweight DIN rail mount power supplies are convenient and cost-effective power conversion solution for many industrial and commercial applications.



Order Code

3790306

Order Code

3931233

SUPPLIES

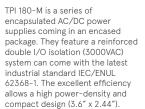
12V AC/DC MEDICAL **POWER SUPPLY**



TPP 300-M series is a set of encapsulated AC/DC power supply in an encased package style. It features a reinforced double I/O isolation (3000VAC) system according to the latest medical safety standards



48V AC/DC MEDICAL **POWER SUPPLY**



Order Code

TRACO POWER



TRACO POWER

TPI 50A-J is a 50W AC/DC open frame power supplies series with a 3000VAC reinforced isolation system. TPI line specifically focuses on providing cost-efficient industrial power supplies in compact designs. This series offers a peak power function which enables the unit to deliver up to 140% of the rated power for up to 5 seconds.



3890295

MPM ENCLOSED AC/ DC SWITCHING POWER SUPPLIES

IEC/EN/UL approved, cost effective, low no load power consumption, highly efficient, highly reliable enclosed power supplies with excellent EMC performance. Power ratings ranging from 15W to 100W. 3 year



multicomp PRO

Order Code 3972785

DIN RAIL DC-DC CONVERTERS

multicomp_{PRO}

IEC/EN/UL approved, high efficiency, high-reliability DIN Rail Mount power supplies with power ratings ranging from 120W to 480W. 3-year warranty guarantee.

MPIF DIN RAIL POWER



multicomp_{PRO}

Order Code 3974218

warranty guarantee.



3:1 & 4:1 Input Range options, internal input filter, Remote ON/ OFF, 3 year warranty.



Order Code 3556376

Order Code

3872851



Power supply choice made easy

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



DC-DC Converters

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



Enclosed Power Supplies

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



High Voltage DC-DC

- Outputs up to 25kVDC
- Regulated & proportional
- Single & dual outputs

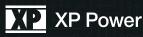


External Power Supplies

- 5W to 300W
- Level VI & EU CoC Tier 2
- ITE & medical approvals







POWERING THE WORLD'S CRITICAL SYSTEMS





QUINT POWER POWER SUPPLY UNIT - SUPERIOR SYSTEM AVAILABILITY WITH SER TECHNOLOGY

The QUINT-PS/1AC/24DC/20 is a 1-phase primary-switched Power Supply with SFB technology. Compact power supply units of the new QUINT POWER generation maximise the availability of your system.



Order Code

2068444

8 PIN SIP ISOLATED DC-DC CONVERTER



PQQC3-D48-S5-OS is a PQQC3-OS series is a compact, regulated DC/DC converter providing 3W of output power and a -40 to +85°C temperature range.



CUI INC

Order Code

4128796

2400 WATT FULL BRICK **PFC CONVERTER**



AC/DC Enclosed Power Supply (PSU), ITE, 1 Outputs, 2.4 kW, 400 VDC, 6 A.



Order Code 3796490

ARTESYN LCC250 AC-DC POWER SUPPLY. 250 WATTS CONVECTION/ CONDUCTION MOUNTING

The LCC250-12U-4P is an AC/ DC enclosed Power Supply with adjustable output. Wide operating temperature range suited for outdoor application.



Order Code

2115755

3KVAC ISOLATED 1W SM GAN GATE DRIVE DC-DC CONVERTERS

MGN1S0512MC-R7 is a MGN1 series 1W SM GaN gate drive DC-DC converter. It is ideal for powering 'high side' and 'low side' gate drive circuits for GaN in bridge circuits. A choice of output voltages allows optimum drive levels for the best system efficiency.

Order Code

4163285

QUINT POWER POWER SUPPLY UNIT - SUPERIOR SYSTEM AVAILABILITY WITH SER TECHNOLOGY

2909577 is a QUINT4-PS/1AC/24DC/3.8/PT primaryswitched power supply unit. QUINT POWER provides a superior system availability in the smallest size. Preventative function monitoring and exceptional power reserves are available for applications in the low-power range.

Order Code

4071676

U-FRAME ISOLATED DC-DC CONVERTER

PQAE50-D24-S5-U is a PQAE50 series isolated DC-DC converter. It is housed in a compact U-frame package designed for easy installation. It has an operating temperature range of -40 to +105 °C and protection features.

Order Code

4093868

ULTIMOD RANGE OF POWER SUPPLIES

EXCELSYS UltiMod series is unique in flexibility, unrivalled in performance power supply. This a new paradigm, combining technical excellence with logistics simplicity to exceed the most demanding requirements from any industry.

Order Code

3582155

ARTESYN LCM600 SERIES OF 2U HIGH DISTRIBUTED POWER FRONT-END AC-DC POWER SUPPLIES

The LCM600Q-T is an AC/DC enclosed Power Supply with terminal block input. The LCM600 series of 2U high distributed power front-end AC-DC power supply provides a bulk power solution This model accepts a universal input of 85 to 264VAC and has a typical full load efficiency of 89%.

Order Code

2115741

24V OUTPUT DIN RAII MOUNT POWER SUPPLY



Order Code 2777430

CULINC

Advanced Energy

TDK-Lambda

Ø.



UNINTERRUPTIBLE POWER SUPPLY WITH IQ **TECHNOLOGY**

The QUINT-UPS 24DC/24DC/20 is an Uninterruptible Power Supply with IQ technology for DIN rail mounting, 24VDC input, 24VDC/20A output, with mounted universal DIN rail adapter UTA 107/30



Weidmüller 3

Order Code

2068465

PROECO POWER SUPPLY. **SWITCH-MODE POWER SUPPLY UNIT, 24 V**

The 1469510000 is a single-phase Switch Mode Power Supply with screw terminal connections (input/ output). In the series production of machines, in particular, switch mode power supply unit with above-average performance values can deliver genuine competitive advantages.

Order Code

2723411

ULTIMOD RANGE OF POWER SUPPLIES





Advanced Energy

Order Code

3582156

ISOLATED 1W SINGLE OUTPUT SM DC-DC CONVERTERS

New range of low-cost, lower-profile surface mount DC-DC converters.



Order Code

2518533

SINGLE OUTPUT FULL FEATURED DIN RAIL MOUNT TDK-Lambda **POWER SUPPLIES**

The DRF480241 is a 24V/480W 1-output DIN-rail mount Power Supply features an ErP compliant design, very compact size, high-efficiency, low standby power draw, remote voltage adjustment and on/off. This power supply output is programmable.

Order Code







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 research has revealed that poor conduction of the contacts is the primary cause of relay faults, accounting for approximately 75% of cases.

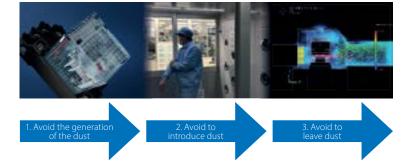


OMRON'S SOLUTION TO PREVENT POOR CONDUCTION IN RELAYS

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.

NEW



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 relays 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.

element14.com/omron



SOLID STATE RELAYS

multicomp_{PRO}

RELAY, SIGNAL, DPDT, 30VDC, 1A

SOCKET, DIN, 5MM PITCH, SCREW TERM



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.



The TQ series from Panasonic are through hole signal relays. These mechanical relays are mainly used in signal control applications such as communications, measurement equipment, OA equipment and industrial machines.



Panasonic INDUSTRY

The RT78725 is a 8-pin Socket with screw-type terminals. It has pinning 3.5mm for DIN rail mounting and conventional terminal arrangement.



Order Code

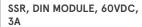
2770603

Order Code 1175716

Order Code 1349721



RELAY, 3PST-NO, 250VAC, **finder**



: ': Sensata · Crydom

RELAY, 4PDT, 250VAC, 7A



The Finder 62 series are industrial relays. These electromechanical power relays are available in 2 and 3 poles with PCB, plug-in and faston mounting.



The DRA1-MPDCD3 is a 1-phase Solid-state Relay with DIN rail mount, DRA1 MP series. DC output, DC ratings 60VDC and 3A. Normally closed type output function. Cage style screw terminals for easy connection. Fits standard 35mm DIN rail.

The 58.34.9.024.0050SMA is a 4-pole Relay Interface Module with DC coil, 58.34 series. 4CO (4PDT) contact configuration, AgNi, cadmium-free contact. Ideal interface for PLC and electronic systems. Standard for DC green LED + diode (polarity +A1). 35mm rail (EN 60715) mount, screw terminal socket.



Order Code

1329747

RELAY, DPDT, 250VAC, 30VDC, 5A

Order Code

1784059

RELAY, 4PDT, 250VAC, OMRON 30VDC, 5A

1169317

Order Code

POWER RELAY, 24VDC, 6A, OMRON SPDT, DIN RAIL

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.



OMRON

MY(S) series miniature power relay with 4PDT contact form and DC



G2RV-SR is a global standard size, low profile slim (6.2mm width) I/O relay. 25% lower profile than conventional products, contributing to a smaller control panel.



Order Code 4375350

RELAY, SPDT, 250VAC, 6A

(I) finder

Order Code

186466 RELAY, DPDT, 240VAC, 12A

E TE

2581778 SSR, 3A, 1-60VDC,

Order Code

Order Code

2311046

: " : Sensata - Crydom

The 39.31.0.024.0060 is a Relay Interface Module with AC/DC coil. This 39.31 series module has 1CO (SPDT), MasterBASIC electromechanical relay and 6.2mm wide. Common connection possible with optional jumper links. Accepts output fuse module 093.63 (for 5 x 20mm fuses) for quick and easy load protection.



The PT series miniature General Purpose Industrial Relay with 2-pole 12A, 3-pole 10A or 4-pole 6A, 2/3/4-form-C (CO) contacts.



The DR06D03 is a 1-phase solid-state Relay with DIN rail mount, SeriesOne DR. DC output, AC or DC control. Zero-crossing (resistive loads) or random turnon (inductive loads) output. Fits standard 35mm DIN-rail. Load

4-32VDC, ZERO TURN ON

voltage ratings of 1 to 60VDC. UL 508 Endurance rating for enhanced reliability.



Order Code

Relavs.

1024026

RELAY, DPDT, 240VAC, 10A; **CONTACT CONFIG**

General Purpose Panel/Plug-in

E TE

RELAY, PHOTOMOS, 60V, 0.5A

Panasonic INDUSTRY

The AQY21XS series from Panasonic are photoMOS relays in miniature 4pin SOP. PhotoMOS relays feature extremely low closed circuit offset voltage to enable control of low level analogue signals without distortion.



Order Code 1385009

Order Code 2095723

1169339

Order Code

RELAY, SPST-NO, 250VAC, 16A

The RTS3T012 is a 1-pole general-purpose Power PCB Relay with DC coil, RT1 inrush series. 1 form-A (1NO) contact configuration. Tungsten (W) pre-make and AgSnO2 contact. Without test tab, 15.7mm high. 165A/20ms inrush peak current. 5kV/10mm coil-contact.



Order Code

○ OMEGA™

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





OPTICAL BUBBLE SENSOR: DETECTS LIQUID AND AIR BUBBLES WITHOUT FAIL!

Optical Bubble Sensor, NPN, 2 mm Tube, 5 to 24 VDC, BE-A Series.



Order Code

4077839

NEW! SPRING RETURN LINEAR POSITION SENSOR, **RECTANGULAR, 12.7MM ELECTRICAL TRAVEL, 3** PIN, 1.7KOHM, 250MW

Position Sensor, Spring Return, Linear, Rectangular, 12.7mm Electrical Travel, 3 Pin, 1.7kohm, 250mW.



r ∵ Pr ∵r Sensata - BEISer

Order Code

4069509

MINIATURE THROUGH **BEAM PHOTOELECTRIC** SENSOR, W4F SERIES





SICK

Order Code

4070685

B5WC BUILT-IN COLOR SENSOR FOR RELIABLE DETECTION OF CHANGES

Colour sensors from Omron. Improves equipment maintenance efficiency by monitoring the changes in liquid colour.



omron

Order Code

4077838



INTELLIGENT PARTICLE Panasonic INDUSTRY 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 categorising particulates based on the size. Adjustable sensitivity controls provide superior accuracy and versatility.

Order Code 4015788

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

SFC6000D-20SLM is a digital mass flow controller. This measures gas mass flow by the calorimetric principle based on heat transfer. A heater element on a thermally insulated membrane and two thermopiles up-stream and downstream are integrated on a single silicon chip.

Order Code 4145353

Order Code

4058101

MAGNETIC SENSOR, FOR T-SLOT CYLINDERS, 5 TO

30 VDC, RZT7 SERIES

Magnetic Sensor, T-Slot, 5 to 30 VDC, RZT7 Series.

PANEL MOUNTABLE **CURRENT TRANSDUCER**

Bipolar and insulated measurement up to 1500V.

Order Code 2664243

Crydom



BEI Sensors

Sensata

Piera

SENSIRION

SICK

LEM

- 18 NPT

NEW! DIGITAL PRESSURE SENSOR, 16 BAR, I2C INTERFACE, 5.5 VDC, 1/4"

Pressure Sensor, 16 bar, I2C Digital, Sealed Gauge, 5.5 VDC, 1/4" - 18 NPT, 3.7 mA.



era era er

Sensata

Order Code

3886419

INDUCTIVE PROXIMITY SENSOR, IQG SERIES, WITH COMPACT RECTANGULAR HOUSINGS FOR USE IN HARSH AMBIENT CONDITIONS

Inductive Proximity Sensor, IQG Series, Rectangular, 40 mm, PNP, 10 to 30 VDC.

SICK



Order Code

2776967

Φ54 WIDE BEAM ULTRASONIC SENSOR, **OBSTACLE DETECTION** SYSTEM, CONFIGURABLE BY SOFTWARE

Ultrasonic Sensor, Wide Beam, 3 m, 50° Beam, 48 kHz, 6 Pin Plug Connector, XX Series.





Order Code

4146494

INDUCTIVE PROXIMITY **SENSOR IN XS8 FLAT FORM** DESIGN



High-performance technology, Detection of metal objects up to 60mm.



Order Code 2847778

Sensata brand products & solutions, for sensing & control



THERMOMETRICS INLINE FLOW-THROUGH FLUID **TEMPERATURE SENSOR**

Temperature Sensor, Inline Flow Through, NTC, 10 kohm, 11/4" Hose Size.





Q4X RUGGED LASER DISTANCE SENSOR: THE ULTIMATE PROBLEM **SOLVER**

Sensor, Photo, 610 mm, Laser, Current, M12 Connector, 12 to

Order Code

3765369

Order Code

Order Code

Order Code

4145005

FLAT CAPACITIVE

PROXIMITY SENSOR

7086362

3884205



K50R RADAR SENSOR: SHORT-RANGE SENSOR FOR ROBUST OBJECT DETECTION

Radar Sensor, 100mm to 2.5 m, Time of Flight, NPN/PNP, 55 mA.





Order Code

3875115

COMPACT SAFETY MAGNETIC SENSORS

Safety Interlock Switch, with LED, Right Exit, MC36C Series, SPST-NO, SPST-NC, Cable, 24 V, 250 mA.



BASED 200A CURRENT TRANSDUCER

FLUXGATE TECHNOLOGY

DC200IF is a highly stabilised and precise fluxgate technology based current transducer, re-engineered for cost-sensitive, non-intrusive, isolated DC and AC current measurement applications up to 300A.



BAS BATTERY AEROSOL SENSOR

Order Code

3996215

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.





Order Code

3924668

5000 SERIES INDUSTRIAL PRESSURE SWITCH WITH **SCREW ELECTRICAL** CONNECTION

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. This switch is factory set but capable of field adjustment.





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. Ideal for general purpose use.





4144367

Order Code

Order Code

8598096

PT100 HEAVY DUTY SENSOR PROBE, CLASS **B FOR INDUSTRIAL APPLICATIONS**

The DRG 010632A from Labfacility is a Pt100 heavy duty sensor probe suitable for general purpose and commercial applications.



LABFACILITY

Order Code

2373054

Order Code

2081298

3KG PULL MAGNET THERMOCOUPLE, TYPE K,

The BMS-K-2-C70-MP-25.4 is a Magnet Thermocouple with 2m stainless steel over-braided PFA-PTFE cable fitted with miniature plug.





CLAMP MOUNT INDUSTRIAL TEMPERATURE SENSOR FOR USE ON PLASTIC PIPES

Clamp Mount Temperature Sensor Plastic, 4mA to 20mA, 0°C to 100°C, 1", Industrial, ±1.5°C





TURBINE FLOW METERS

FOR INDUSTRIAL AND LABORATORY APPLICATION

FTB-1315 is a FTB-1300 series economical liquid turbine flow meter is designed for industrial and laboratory measurement of water, solvents and other low viscosity fluids. This series turbine flow meters features a 316 stainless steel body and a tungsten carbide bearing.



OE OMEGA

Order Code

3794985

HIGH TEMPERATURE LOW **DRIFT THERMOCOUPLE INDUSTRIAL HEAD PROBE**

Probe, 6 ", 6 mm, NB-CAXL.



OE OMEGA



and surge suppressor protection.

Order Code 1603020

OMRON

The E2K-F10MC1 is a Flat



BARREL-STYLE INDUCTIVE PROXIMITY SENSOR

majority of applications requiring

accurate non-contact detection

automation equipment.

of metallic objects in machinery or

The NBB2-12GM40-Z0 is an Inductive Proximity Sensor that is the preferred choice for the



EPPPERL+FUCHS

Order Code

3565312

Order Code

3805569



SERIES 19N -**MICROSWITCH**

The miniature microswitch (the standard V4 size) has been designed in line with similar competitive products, but because



Honeywell

OMRON

Cak PARTOR Littelfuse

Order Code

521840

V19 SERIES BASIC SWITCH

of automation, offers consistent

high quality levels for volume applications, at no extra cost

Honeywell Sensing and Internet of Things announced a new addition to their MicroSwitch products today, the V19 basic switch for appliance customers. The V19 is focused on empowering White Goods designs with a balance between configurability and cost while still providing them with a fully certified, reliable solution that is repeatable over the lifetime of the product.



3643280

D2MQ - SUBMINIATURE **BASIC SWITCH**

Ultra Slim Snap-action. Switch with 2.7 mm in depth. Excellent electrical characteristics and snap action mechanism in spite of its ultra-small size. Ideal for applications where size is extremely limited and high reliability is demanded.

Order Code

9901922

NAVIMEC MODULE

Navimec is a five position navigational switch solution ideal for data entry devices where joystick function is needed. It has a select switch in the middle and four navigational switches around it. The solution is available as a module as well as single parts for own PCB mounting. Illuminated version is also available.

Order Code

1390523

SL SERIES

"The idea arose from the success story of a sealed safety interlock switch used in a deep fat chicken fryer (KFC) back in 2015 (Pressure fryers); 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

22

3935040

/TW/Switches



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. With a size of 6.2 x 6.3 mm and actuation forces at 1.6N, 2.8N and 4N, KSC4 TE is perfect for demanding applications such as applications in the industrial segment.

Order Code

4105498

YW SERIES CONTROL UNITS

Complete with finger-safe contact blocks. Ensure safety and save wiring time. Safety Lock Mechanism. When the emergency stop signal has been generated during actuation of the emergency stop device, the emergency stop function shall be maintained until the emergency stop device is reset (disengaged) (IEC 60947-5-5, 6.2).

Order Code

2833849

SERIES B3F

B3F Tactile Switch. Through-holemounting Switches in a Wide Range of Models: 6 x 6 mm 12 x 12 mm Side-operated Models, Goldplated Contacts, and Radial Tape Extended mechanical/electrical durability: 10 x 106 operations for 12 x 12 mm type and 1 x 106 operations for the 6 x 6 mm type.

Order Code

176435

V19 SERIES MINIATURE **BASIC SWITCH**

The V19, Honeywell's unsealed MICRO SWITCH family provides a cost-conscious switch solution to assist in hitting overall system-level cost and design goals in high volume applications. The V19 switch provides a fully certified, reliable, and repeatable solution over the lifetime of the product.

Order Code

3643264

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. These attractive switches offer excellent tactile feedback in either non-illuminated versions with ring illumination or with symbol illumination

Order Code

3975967

C&K NOW METOR METOR

IDEC

OMRON

Honeywell

eaoı

PTS645 SERIES - 6 MM TACT SWITCHES

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



C&K NOW Littelfuse

Order Code

2320089

XB4BD21

Harmony, 22mm Push Button, 2 position selector switch, black, maintained, 1 NO, 600 V.



Life Is On Schneider

Order Code

2518114

C3SS





Order Code 2911783

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.



™₩Switches

Order Code

4434444

PVK4 ANTI-VANDAL SELECTOR SWITCH





😑 E-SWITCH'

Order Code

4067363

Designers for power tooling,

long life demanded by regular use.





IP67 16MM ANTI-VANDAL SWITCHES

multicomp_{PRO}

IP67 19MM ANTI-VANDAL SWITCHES

multicomp_{PRO}

IP65 19MM ANTI-VANDAL **SWITCHES**

multicomp_{PRO}

LED for easier sensor setup and troubleshooting, IP67 rated.



Stainless steel momentary & maintained switches with a 19mm panel cut out diameter. Available as either 1NO 1NC or 2NO 2NC, with two different top types; flush or domed and in three different colours; green, red and blue.



Stainless steel momentary & maintained prominent top type switches with a 19mm panel cut out diameter. Available as either 1NO 1NC or 2NO 2NC, and in three different colours; green, red and blue



Order Code

3104419

IP65 22MM & 30MM

ANTI-VANDAL SWITCHES

Order Code 3104463

STOP SWITCHES

Order Code

3104469

Order Code

1454959

Order Code

Order Code

3648372

4077894

SERIES MPI002 - VANDAL **RESISTANT SWITCH**



Stainless steel momentary & maintained flush top type switches with either a 22 or 30mm panel cut out diameter. Available with 1NO, 1NC, 2NO, 2NC, or 1NO 1NC and in three different colours; green, red and blue.



multicomp_{PRO}

IP65 E-Stop switches with Push-Pull operation and various contact configuration options including DPST-NC, DPST-NO, SPST-NC, SPST-NO, SPST-NO, SPST-NC.

ILLUMINATED EMERGENCY



multicomp PRO

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

3104506

SERIES MP0037 - VANDAL **RESISTANT SWITCH**



Order Code 2748237

SERIES MPZ022 - PIEZO ANTI VANDAL SWITCHES



MRSS SERIES - MINIATURE **ROTARY 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.



Unlike traditional switches Piezo switches have no moving mechanical parts making them extremely durable, withstanding millions of actuations and requiring little to no maintenance.



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 an elevator and security system.



Order Code

560431

PBES16L SERIES -**EMERGENCY STOP SWITCH**



2448383

Order Code

Order Code

2833850









Illuminated (with or without lamp) Solder to wire or quick connect disconnect terminals Compact size (space saving) and Simple easy mounting. The PBES16 Series has a 20N actuation force for ruggedized applications to avoid accidental actuations and is also IP65 rated to withstand harsh environments



Non-Illuminated. Solder to wire or quick connect disconnect terminals. Compact size (space saving) and Simple easy mounting The PBES16 Series has a 20N actuation force for ruggedized applications to avoid accidental actuations and is also IP65 rated to withstand harsh environments.



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



Order Code

1706784

ST4 SERIES - SEALED **TOGGLE SWITCH**



ST5 SERIES - HIGH **TEMPERATURE TOGGLE SWITCH** The ST5 series toggle switch





KJD17 SERIES HEAVY

harsh, industrial environments.



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.



series can handle temperatures ranging from -10°C to 125°C. The ST5 offers a single pole or double pole circuit function with two or three positions and offers three electrical rating options.



electromagnet provides automatic safety protection against power outages and restarts. A PVC cap is available for dust and water protection. This heavy-duty industrial pushbutton switch has 2HP electrical ratings and is UL listed.



Order Code

3861216

Order Code 4051016

Order Code

3779928



LOOP CALIBRATOR

multicomp_{PRO}

IMPEDANCE METER, 30VAC TO 600VAC, RCD

EARTH GROUND CLAMP multicomp_{PRO} METER, 0.010HM-1.2KOHM

multicomp PRO

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



The MP780430 from Multicomp Pro is a digital RCD (ELCB) tester. featuring LCD backlit screen, 30 to 600VAC AC voltage measuring range and 45 to 65hz frequency measuring range.



MP760838 is a clamp earth ground resistance tester, used for testing grounding resistance. This device can quickly and safely measure the grounding system without disconnecting circuit ground lines or the needs of auxiliary electrodes.



Order Code

3014337

Order Code 3394757

METER

Order Code

3779342

MULTIMETERS

HANDHELD DIGITAL

multicomp PRO

HUMIDITY METER. 0-100%RH (SPLIT-TYPE PROBE)

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



multicomp_{PRO}

This is a portable meter for detecting carbon monoxide gas. It can measure a wide range of CO concentrations with a short response time. Users can set up

both audio and visual alarms.

CARBON MONOXIDE



multicomp_{PRO}

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.

Order Code 3677286



Order Code

3267129

MINI AC LEAKAGE **CURRENT TESTER, 200A**

multicomp PRO

Order Code 3977121

optic wires

Order Code

3267134

Order Code

4077823

FIBRE OPTIC TESTER, -50DBM-26DBM

multicomp PRO

COMPACT WEIGHING SCALE, 100G

multicomp PRO

Miniature AC leakage current test meter with LCD display, 30mm shielded transformer jaw and a data hold function that allows for easy reading in dimly lit locations.



The MP700122 from Multicomp Pro is a handheld optical power meter, used to measure absolute optical power or relative loss of optical power through the length of fibre



Compact balance, suitable for weighing, parts counting, percentage weighing and accumulation of weight.



Order Code

3126627

TORQUE, WRENCH, HANDLE, 105MM LENGTH

GEDORE

SOCKET BIT SET. 1/4"DRIVE, 37 PIECES

multicomp PRO

Order Code 3583599

-20°C-400°C

Order Code

3014335

IR / INFRARED THERMOMETER,

multicomp_{PRO}

Unique breaking mechanism, which gives the operator more time to react once the target torque is reached. Maximises productivity in restricted space applications through their compact slim line design, 20N-cm to 2Nm Torque range.



This Rework Station has a wide range of adjustments of the airflow rate and temperature permitting soldering and disordering of SMDs; closed-loop control of temperature; automatic cooling mode - protects the heating element and handle when the power switch is turned off.



The MP780003 from Multicomp Pro is a miniature infrared thermometer, capable of temperature measurements between -20°C and +400°C (-4°F to 752°F) with an accuracy of ±2%.

Order Code

7090705

multicomp_{PRO}

MICROBOX DRILL BIT SET

multicomp PRO

JSS JOBBER DRILL SETS multicomp PRO

THERMOMETER, DUAL INPUT, J, K, T, E, S, R & N THERMOCOUPLES

thermometer offering compatibility

MP780832 is a dual input

with type J, K, T, E, S, R & N



20-piece drill set (0.3 - 1.6mm). This 20-piece set contains high quality HSS ground drills. Features a handy slide-top box which releases only the chosen drill



HSS 0.3mm drill bit set. HSS bits are hard, and much more resistant to heat than high carbon steel. They can be used to drill metal, hardwood, and most other materials at greater cutting speeds than carbon steel bits, and have largely replaced carbon steels.



Order Code

thermocouples.

3777598

Order Code 3350693 Order Code



SOUND LEVEL METER, 30 DB, 130 DB, 1 DB, 0.1 DB, 0 °C, 40 °C

Sound Level Meter, 30 dB, 130 dB, 1 dB, 0.1 dB, 0 °C, 40 °C.



Sefram

VIBRATION METER, 10HZ TO 1KHZ, 180 MM, 72 MM,

Dual Input Datalogging Thermometer w/ Alarm-Built-in PC interface with internal memory stores up to 16 data sets, 1024 maximum capacity With Programmable Hi/Lo audible alarm.



VIBRATION METER, 100MV/G, 10HZ TO 1KHZ, 80KHZ, 0.241 MM, 0.071 MM, 0.058 MM

The Fluke 805 is not a vibration pen; it's a meter. A Fluke meter that eliminates the confusion of vibration screening and provides reliable measurements you can trust to make critical go or no-go maintenance decisions.





Order Code

3527960

BALL END HEX KEYS



multicomp_{PRO}

VDE HEX KEY SETS

Order Code

2836699

Order Code

3404793

multicomp PRO

2114858 **ESD PLIERS**

Order Code

multicomp PRO

Ball end hex keys, sizes ranging from 1.5mm to 10mm and 0.05 to 5/16"



This Multicomp Pro Key Sets is VDE Certified for live working up to 1000V AC / 1500V DC, All Kevs are stored in the blow mold protection case. The range of keys is in within Metric Sizes: 2.5mm, 3mm, 4mm, 5mm, 6mm & 8mm.

Range of 4 ESD pliers, with varying noses including round, snipe and chain



Order Code

3404769

PLIERS - VARIOUS



Range of 4 pliers in varying spec, including 6" nipper, 6" diagonal and miniature versions of each





4-in-1 screwdriver with cross and slotted screwdriver bit and comfortable grip.



3-PIECE TAP SETS

Order Code

3577614

Order Code

Order Code

3263865

3703249

multicomp PRO

This Multicomp Pro Tap Sets includes 3 piece set in a plastic box. Taps are made from premium quality HSS material. For cutting threads in steel & similar materials.



Order Code

4.5"

2444462

Order Code

3243146

RASPBERRY PI 4 DIN RAIL MOUNT ENCLOSURES

multicomp PRO



PI-BOX PRO 4

Order Code

2213713

multicomp PRO

MP-BED CABINETS

multicomp PRO

No screws, no glue - just add your Raspberry Pi filling! Great way to industrialise your Pi 4 with room for a Pi HAT.



1U 19" Rack Fronts with rugged industrial enclosure kits for the Raspberry Pi4. Available in 1, 2 or 3 case units.



UL approved ABS-HB lockable cabinets supplied complete with galvanised steel cak plate and mounting brackets. IP65 & IK08 protection makes them suitable for wide range of harsh, dry, dusty or high-humidity environments. Solid and Transparent door options.



Order Code

3772120



MX 5006 multimeter is equipped with classic functions voltage, current, resistance, continuity, diode test, this multimeter can also measure the capacitance, frequency, period and relative values expressed in value terms and as percentages.



TECHNICIANS DIGITAL metrix. **MULTIMETER, 110 SERIES,** 6000 COUNT, TRUE RMS,

> 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

AUTO, MANUAL RANGE

Order Code 1274599





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

The Fluke 175 digital multimeter has the features needed to find most electrical, electro-mechanical and heating and ventilation problems. They are simple to use and have significant improvements over Fluke's original 70 Series like, True-RMS, more measurement functions, conformance to the latest safety standards.

Order Code

3558678



FLUKE.

2945495

Order Code

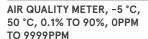


TREND NETWORKS R180002 TONE **GENERATOR FOR DATA CABLE TRACING**

R180002 is a tone generator compatible with LanTEK IV, III & II, LanXPLORER Pro, SignalTEK, NaviTEK, PoE PRO & VDV II network testers. Tone Generator for Data Cable Tracing is equipped with comprehensive line testing features for troubleshooting and service verification.



4132278



A desktop air quality monitor for use in schools, office buildings, greenhouses, factories, hotels, hospitals, transportation lines or anywhere that where high levels of carbon dioxide may be generated.



EXTECH

EXTECH

Order Code

2836701

HUMIDITY METER, 10% TO 99% RELATIVE HUMIDITY, 5 %, 38 MM, 51 MM, 16 MM

Mini hygro-thermometer monitor ideal for monitoring temperature and humidity conditions in enclosed or open space environments. It helps gauge proper heat and moisture levels and it also records high and low extremes during the day.



3018732

CLAMP METER, TRUE RMS, 600 A AC, 1 KV DC, 34 MM JAW OPENING MAX.

The Fluke 374 FC offers advanced troubleshooting performance and is part of the Fluke Connect family of wireless test tools.



FLUKE

Order Code 2507341

LIGHT / LUX METER, 400000 LX, 0.01 LX, 5 %, 150 MM, 75 MM, 40 MM

Light Meter-Measures light intensity up to 20.000 Foot-candles or 200,000 Lux with high resolution to 0.01 Fc/Lux.



EXTECH

Order Code 2836717

TREND NETWORKS

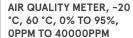


The U1242C is a 4-digit Handheld Digital Multimeter with an IP67 protection. It is designed for handheld users working in various environments. It can be capable to withstand up to 3m (10-feet) drop to suit harsh working environments.

IP67 DIGITAL MULTIMETER,

Order Code

2499698



EL-WEM+ is a Wi-Fi CO2 and Indoor Air Quality (IAQ) monitor from EasyLog is the ideal device for ensuring adequate levels of air quality at work and home.

Order Code

4059626

PEL104 POWER & ENERGY DATA LOGGER, 6 INPUT CHANNEL(S), MAINS-**POWERED**

PEL104 PLUS is a power logger, measures and records all the useful data for energy consumption diagnostics. The PEL104 can be used without cutting off the mains power supply. Voltage up 1,000VAC/VDC and current up to 10 AAC / 5kADC.

Order Code

4051347

CLAMP METER, AC / DC. **BUILT IN NON-CONTACT VOLTAGE (NCV) DETECTOR,** TRUE RMS, 400 A

Compact clamp meter with noncontact voltage detector and type K is suitable for use in a range of applications akin to conventional handheld multimeters but with an integrated NCV detector.

Order Code 2836720

LIGHT / LUX METER, 200000 LX, 0.01 LX, 3 %, 130 MM, 63 MM, 38 MM

The Amprobe LM-120 light meter measures the visible light from fluorescent, metal halide, high-pressure sodium or incandescent sources. It is a portable, easy-to-use digital light meter designed for simple one-hand operation reading in Lumen (lux) or foot candle (fc) units

Order Code 1671223





(LASCAR

CHAUVIN

EXTECH

BEHA AMPROBE

ANEMOMETER, 0.4M/S TO 20M/S, -10 °C, 50 °C, 0%

Testo 410-1 measures air speed and temperature. It is ideal for quick spot checks at air outlets on account of its integrated measurement with the 40mm vane. Timed mean calculation is possible. In addition to air speed and temperature, testo 410-2 also

Order Code

95% RELATIVE HUMIDITY, 0.1 °C, 194 MM, 60 MM, 34 MM

important factors in maintaining optimal comfort levels and good indoor air quality. Quickly and conveniently take accurate humidity and temperature readings

Order Code

1147977

CLAMP METER, TRUE RMS, 400 A AC, 600 V DC, 30 MM JAW OPENING MAX.

FLUKE 325 is a true RMS clamp meter. True-rms measurements and optimised ergonomics make the 320 series clamp meter the best general troubleshooting tools for commercial and residential electricians.

Order Code

2215022

HUMIDITY METER, 10% TO 95% RELATIVE HUMIDITY, 3 %, 0.1 °C, 111 MM, 90 MM, 40 MM

The affordable standard testo 608-H1 hygrometer continuously measures humidity, temperature

and dewpoint.

Order Code

3695797

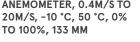
SOUND LEVEL METER, 2000 COUNT, LCD, 40 DB, 130 DB, 2 DB, 0.1 DB

Dual Input Datalogging Thermometer w/ Alarm-Built-in PC interface with internal memory stores up to 16 data sets, 1024 maximum capacity with Programmable Hi/Lo audible

alarm.

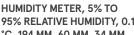
Order Code

2836698



measures air moisture.







with the Fluke 971.



FLUKE.





























KRAFTFORM KOMPAKT 62 SCREWDRIVER BIT SET



Incredibly compact set arrangement with many tools in a minimum space. The Wera Zyklop Speed ratchet combines the advantages of five different types of ratchet in one. "Take it easy" Tool Finder with colour coding according to sizes.

ZYCLOP SPEED RATCHET

SFT

Order Code

Order Code

Order Code

1521873

2545679

2426004



12 42 195 SELF ADAPTING WIRF STRIPPER



Pouch with 89-mm long bits. Includes 816 R Kraftform holder with Rapidaptor quick-release chuck and multi-component Kraftform handle for low-fatigue working. Suitable for manual and



Fully automatic adjustment to all single-, multi- and fine-stranded conductors with standard insulation throughout the entire capacity range from 0.03 to 10.0



Order Code

7621221

90 22 10 BK BIX PIPE AND TUBE CUTTER

power tool operations: 33-piece.



16 95 01 SB ERGOSTRIP® **DISMANTLING TOOL**



7000SK65ESD MICRO BIT **SET, 65 PIECES**

Order Code

8156921

Order Code

2469986



Cuts pipes quickly, cleanly and without shavings. Cuts unreinforced plastic pipes from Ø 20mm to 50mm with a wall thickness of up to 2.4 mm or soft plastic pipes and those with foamed cores from Ø 20mm to 50mm with a wall thickness of up to 3.5mm.



For fast and precise stripping of all common round and damp-proof installation cables, data cables and coax cables.



The 7000SK65ESD is a 65-piece Microbit Set with ESD precision handle. Contents - 45 x Micro bits, 16 x Micro sockets, 4mm Driver, ESD turning handle, Bit holder, Adapter, Ratchet.



Order Code

3779550

SB 369 SZ 13B BALL END HEX KEY SET



T3442M 5 SOFTECH 5M METRIC TAPE MEASURE WITH LOCK AND PAUSE BUTTON





T3064B DRILL BIT SET -METAL, WOOD & MASONRY



The SB 369 SZ 13B is a 13-piece ballpoint hexagonal L-Key Set in ProStar. The set with manganese-phosphated chrome-vanadium steel, through hardened blade, space saving ProStar allows the easy removal of each key without moving any others.



Tough ABS plastic body for damage protection. Full lock & pause buttons for control. Belt clip for convenience. True zero hook for accurate external & internal measurements.



The T3064B is a Combined Drill Bit Set for fast and efficient drilling of wood, metal and brick. Contents: For Brick: 4, 5,5, 6,5, 7, 8 mm. For Metal: 2, 3, 4, 5, 6, 8 mm. For Wood: 4, 5, 6, 8, 10 mm.



Order Code

3584598

440007 VOLTAGE MAINS **TESTER**



8710E FFP1 RESPIRATOR. PACK OF 20.



2494928

Order Code



VDE approved mainstester for assured safety. Neon light for high visibility. Blade: 3 x 65 mm.



two self-adjusting straps and a

cushioned nose area.

For use against dusts found in a wide variety of industrial and other work situations, requiring FFP1 level protection. Features



ES-01-001 EARPLUGS. PACK OF 250 PAIRS



The ES-01-001 is a regular size yellow uncorded Neon Earplug made of soft, slow-recovery foam (polyurethane) for excellent noise reduction and comfort. A plug that gives evenly distributed pressure allowing flexibility and a good seal with optimum comfort. Brightly coloured earplug is easy to spot in compliance checks.



Order Code

1569357

2675823



1373100 **PU COATED NYLON GLOVES**



Order Code 1098821

SOLUS 1000 PROTECTIVE GLASSES

Solus™ 1000 Series Eyewear with

Scotchgard™Anti-Fog Coating.

Scotchgard™ Anti-Fog coating is

designed for working in challenging situations such as hot & humid

conditions, indoor & outdoor work,

physically demanding tasks and

climate-controlled areas.



Offering 27, 39 or 40.3dB attenuation, the Peltor X series offers Moderate attenuation ideal for low-to-moderate noise exposure. Noise exposure.

PELTOR X EAR DEFENDERS



PU Coat Nylon Gloves offer fantastic fit making them perfect when you need great sensitivity and dexterity. With a PU coating for extra grip, these gloves are ideal for general and precision tasks.



Order Code

2675851



Order Code

Order Code



2.35MM SHANK DRILLS

multicomp_{PRO}

HEAT GUN, 1.8KW, EU/UK PIUG

multicomp_{PRO}

T-HANDLE HEX KEYS

multicomp_{PRO}

HSS 2.35mm shank drill bit set, 0.5mm 3-piece, HSS drill bits for precision drilling work in wood, metals and plastics.



MP003076 from Multicomp Pro is a 1800W heat gun with UK plug. Includes nozzle set and sturdy carry case. CE/GS/EMC approved



T-handle hex keys, ranging in sizes from 2mm to 6mm.



Order Code

3350707

Order Code 3972165



INDUSTRIAL HIGH POWER **HEADLIGHT**



200 W LED FLOODLIGHT



PRECISION BALANCE PCB



The PS-HDL9R is a 750 lumen LED ultra bright head torch and is operated via an easy twist side dimmer switch. Its rear battery pack is powered by either 1 or 2 lithium-ion rechargeable 18650 batteries and contains a rear red warning light.



Floodlight with a wide beam, asymmetric light distribution for various application areas.



PCB 350-3 is a compact laboratory balance. It features PRE-TARE function for manual subtraction of a known container weight, useful for checking fill-levels. With the recipe function you can weigh the different ingredients of a mixture.



Order Code

2853447

Order Code 3758935



60 DRAWER STORAGE CABINET



VELCRO® ONE-WRAP **REUSABLE TIES ROLL**







Cabinet with drawers of type 150-00. Each drawer can be divided into 4 compartments using dividers (extra accessory).



Get organised with VELCRO® Brand ONE-WRAP® Reusable Ties! Perfect for indoor and outdoor use, this pack contains a black 5m roll that can be cut to the size you need. Perfect for use at home, on site or in the workplace, use these wide VELCRO® Brand ties to keep

larger wires and cables tidy.

Order Code 3499709

Stainless steel product does not rust or tarnish and gives a more aesthetically pleasing finish. It has a long-life cycle and is also more environmentally friendly as it is 100% recyclable.



Order Code

137386

WASHERS

A2 STAINLESS STEEL

Fastenings

A2 STAINLESS STEEL NUTS



Order Code 4156260



Stainless steel product does not rust or tarnish and gives a more aesthetically pleasing finish. It has a long-life cycle and is also more environmentally friendly as it is 100% recyclable.



Stainless steel product does not

rust or tarnish and gives a more

environmentally friendly as it is

100% recyclable.

Order Code

4156221

aesthetically pleasing finish. It has a long-life cycle and is also more



Wera Kraftform Kompakt W1 maintenance Kit includes the most important screwdriving tools for maintenance jobs both indoors as well as outdoors. It is supplied in a surface-protecting, highly robust textile box. It has a compact and light weight design for simplified

KRAFTFORM KOMPAKT W1

MAINTENANCE KIT



mobility. Order Code

2493787



TORQUE DRIVER SET



JOKER WRENCH SET



TOOL-CHECK PLUS **SOCKET & BIT SET**



Wera torque screwdriver set. Two high precision torque screwdrivers with variable torque settings, one torque screwdriver with Kraftform pistol handle for the transfer of especially high torque. Includes a bit assortment in high quality and stable plastic case.



High-quality combination ratchet wrench set by Wera: everything that a wrench has to be able to do. And a whole lot more. The new generation of combination ratchet wrenches. 11-piece set in a robust pouch. Suitable for hexagon bolt



Combination tool consisting of a ratchet, bits, sockets and holder in a minimum of space. Ideal as a universal companion for a whole host of screwdriving applications.



Order Code

1337766

heads or nuts.

Order Code 2362592 Order Code





DOWSIL 3140 RTV COATING



DOWSIL 732 **MULTI-PURPOSE SEALANT**



AS1803 1 PART NON-CORROSIVE NEUTRAL **CURE ADHESIVE SEALANT**



One-part, translucent adhesive or coating with good flowability, high elongation value for vibration/ mechanical shock dampening and low stress, good flame resistance, UL, IPC and Mil Spec tested, contains UV indicator.



General-purpose acetoxy RTV sealant for industrial sealing and bonding applications.



This is a non-corrosive, neutral cure, 1-part, RTV (Room Temperature Vulcanising) silicone adhesive sealant. It is one in a range of Acetone cure products which are solvent free.



Order Code

536738

Order Code 2289628 Order Code 8497400



3M COPPER FOIL TAPE 1181



3M POLYMIDE FILM TAPE 5413

3M SCOTCH SUPER 33+ VINYL ELECTRICAL TAPE



3M Copper Foil Tape 1181 consists of a 1-ounce rolled copper foil backing and an electrically conductive, pressure-sensitive acrylic adhesive. This tape is supplied on a removable liner for easy handling and die-cutting. It has excellent solder ability.



3M Polyimide Film Tape 5413 with DuPont™ Kapton® polyimide film and silicone adhesive used for PCB solder masking and other high temperature applications. This product is amber colored and 2.7 mil (69 microns) thick.



Electrical Insulation Tape, PVC (Polyvinyl Chloride), Black, 19.05 mm x 20.12 m, premium grade, super 33+ 7mil thick, all-weather vinyl insulating tape



Order Code

1208991

TESA 51408 FLAME RETARDANT KAPTON®



Order Code 3227416

Order Code

537019

MOLYKOTE 4 ELECTRICAL INSULATING COMPOUND

MOLYKOTE

143078

TEMPERATURE GREASE

Order Code



HIGH-GRADE MASKING tesa® 51408 (Kapton® backing

with silicone adhesive) is a highly

temperature-resistant and high

grade adhesive tape.



A moisture-proof seal for transportation and industrial applications, including ignition

systems, sealed electrical connectors, disconnect junctions and terminals where a semi-flowable consistency material is appropriate.



Molykote 33 is a lubricating grease for metal/metal, metal/plastic combinations involving slow to medium-fast movements and light load, especially over a wide range of temperatures.



Order Code

1775817

GREASE

MOLYKOTE

847 CARBON CONDUCTIVE ASSEMBLY PASTE



Order Code 3605776

ADHESIVE

LOCTITE 222 THREADLOCKING



Silicone-based material that helps ensure positive lubrication and sealing by slightly swelling rubber O-rings and seals. This product is heat-stable and oxidation-resistant.

MOLYKOTE 55 O-RING



847 is a carbon-filled electrically conductive paste. It improves electrical connections between non-moving parts in the same way a thermal paste improves thermal connections. It will not separate, bleed or migrate.

LOCTITE 5145 ADHESIVE

Loctite 5145 is a translucent,



LOCTITE

Threadlocking Adhesive - low strength. Easy disassembly. Suitable for all metal threaded assemblies.



Order Code

3605778

ADHESIVE

Order Code 2811926

SEALANT

Order Code 537056





29

non-slumping, room temperaturevulcanising liquid alkoxy silicone adhesive and sealant specifically formulated for bonding, sealing

and coating electronic devices in military, automotive and industrial

One-part, moisture RTV, non-flow, high strength, UL and Mil Spec. I Links

Order Code 8793492

LOCTITE 406 is a low viscosity, fast-curing instant adhesive that is ideal for bonding plastics and

LOCTITE 406 INSTANT



LOCTITE

elastomeric materials where very fast fixturing is required.

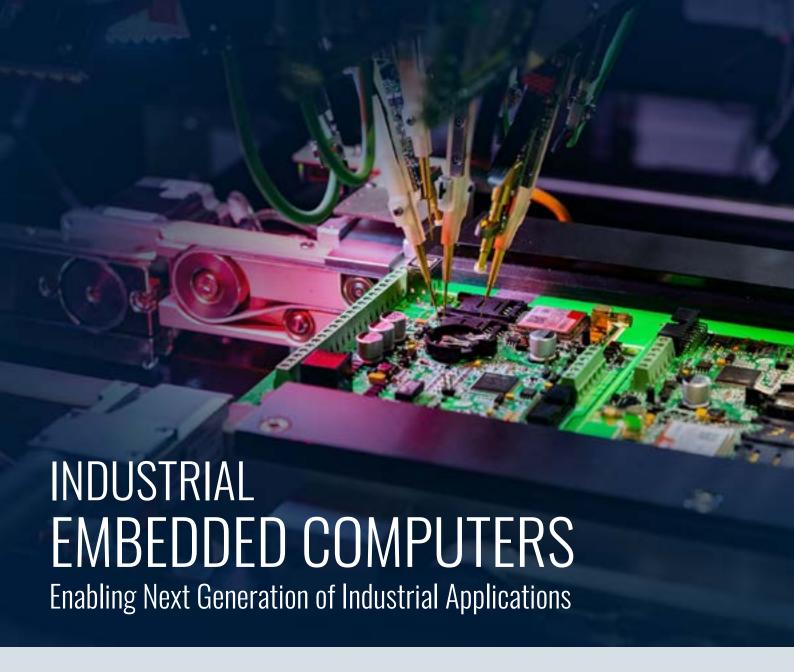
Order Code

1676331



Order Code

electronics.



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.





Rugged for harsh environments



Multiple connectivity



Compact form factors



Compliance and support



Long time availability



Extended IOs















RASPBERRY PI COMPUTE MODULE 4 IO BOARD



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

Raspberry Pi

ARDUINO PORTENTA H7



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.



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.



Program it with high-level languages and Al while performing low-latency operations on its customisable hardware.



Order Code

3563491

ARDUINO PORTENTA X8



PORTENTA MACHINE **CONTROL BOARD**

Order Code

3585683



Order Code







The groundbreaking Portenta X8 is a powerful, industrial-grade System On Module (SOM) with Linux OS preloaded onboard. making it a plug-and-play solution capable of running device-independent software.



The Portenta Machine Control is a fully-centralised, low-power, industrial control unit able to drive equipment and machinery.



BeagleBone Black is a development platform for developer. Boot Linux in under 10 seconds and get started on development in less than 5 minutes with just a single USB cable.



Order Code

3994324

Order Code 3520083

BEAGLEBONE BLACK INDUSTRIAL



3775892

Order Code





Order Code 3520081





BeagleBone Black Industrial answers the need for an industrial rated single board computer with extended temperature range.



4GB/64GB, WIN10 **ENTERPRISE**

4GB RAM LattePanda Windows 10 mini PC with 64GB eMMC memory. This model of LattePanda V1 -4GB/64GB includes an activated edition of Windows 10 Enterprise



PRO LattePanda 2 Alpha 864s (Win10 Pro activated) is a

high-performance, pocket-sized

SBC (single board computer) with

low power consumption that runs full Windows 10 or Linux operation



Order Code

3517829

Order Code

4126467

Order Code

svstem.





LATTEPANDA 3 DELTA BOARD, 8GB/64GB, WIN 10

LattePanda 3 Delta 864 - The

Linux Single Board Computer

with Win10 Enterprise License

Fastest Pocket-sized Windows/



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. The system-on-module is powered by the NVIDIA Maxwell™ GPU with 4 GB of memory, which allows real-time processing of high-resolution inputs.

NVIDIA JETSON NANO

MODULE, 4GB/16GB



With 8GB RAM and 16GB EMMC the NVIDIA® Jetson Xavier^{TI} NX brings supercomputer performance to the edge in a compact system-on-module (SoM) that's smaller than a credit card. It delivers up to 21 TOPS for modern Al workloads with NVIDIA's unified

NVIDIA JETSON XAVIER NX

MODULE, 8GB/16GB

software architecture.

Order Code

4126468



Order Code

(8GB/64GB).

3954474





NVIDIA JETSON XAVIER DEVELOPER KIT, 8GB/16GB



EDGEBOX-RPI-200 - INDUSTRIAL EDGE CONTROLLER 4GB RAM. 16GB EMMC, WIFI



EdgeBox-RPI-200 series are all-in-With 8GB RAM and 16GB EMMC the reComputer J20-series one Raspberry Pi-based industrial are compact edge computers edge computing controllers, built with NVIDIA advanced AI embedded systems: Jetson Xavier combining multiple industrial purposes. NX and Seeed reference carrier



Order Code

4122509

board (J202).



4126474

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. It delivers up to 21 TOPS for modern Al workloads with NVIDIA's unified software architecture.







UL HOOK-UP WIRE INDUSTRIAL AUTOMATION TRI-RATED CABLE multicomp_{PRO} multicomp_{PRO} multicomp_{PRO} AND PROCESS CONTROL **CABLES** The PP001188 from Pro Power Industrial range of SY, CY & YY A comprehensive range of UL approved Hook-Up wire available control cables, and PUR, SERVO, is a single core, black colour tri-rated flexible PVC equipment in multiple colours and wire sizes. DeviceNet and BUS networking wire supplied in continuous length Choose between UL 1007, 1015, cables. Meets VDE, IEC, DIN EN, BS in 1 metre multiples. This high temperature, flame retardant 1061, 1569 and 1571. EN standards. wire is designed to use in switch control, relay and instrumentation panels of power switchgear. Order Code Order Code Order Code 2528084 2986723 2827538 **OLFLEX 110 MULTICORE ETHERLINE CAT5E** PRO-MET CY CONTROL **& LAPP & LAPP** Alpha Wire **CONTROL CABLE NETWORKING CABLE** CABLE Multicore Cable, Ölflex® YY, Networking Cable, Etherline, Multicore Cable, Pro-Met®, Unscreened, 3 Core, 19 AWG, 0.75 Screened, Cat5e, 26 AWG, CY Control, Screened, 3 Core, mm², 164 ft, 50 m. 0.14 mm², 328 ft, 100 m. 15 AWG, 1.5 mm², 328 ft, 100 m. Order Code Order Code Order Code 1179042 1285779 2947503 **ECOFLEX PUR MULTICORE** RS-485 CABLE **MACHFLEX 350 SY CABLE** BELDEN BELDEN Alpha Wire CABLE Multicore Cable, EcoFlex® PUR. Multipair Cable, Computer, Multicore Cable, Screened, 7 Core, Screened, 2 Pair, 24 AWG, 0.2 mm², 498.69 ft, 152.4 m. Unscreened, 3 Core, 10 AWG, 1.5 mm², 164 ft, 50 m. 5.21 mm², 100 ft, 30.5 m. Order Code Order Code Order Code 2945868 961735 2912062 SINGLE WALL HEAT SHRINK HARNESS BOARD ELASTIC **HEAT SHRINK EDGING** ANDUIT = TE RETAINER TUBING Harness Board Elastic Retainer, Heat Shrink Tubing, Flame Grommet, Strip, 1.2 M Long, Self-Adhering, Heat Shrink Edging, PO (Polyolefin), 3.25 mm. Retardant, 2:1, 0.188 ", 4.8 mm, Screw Mount, Black Nylon 6.6, For 31.75mm Max. Bundle Dia. Black, 29.5 ft, 9 m. Order Code Order Code Order Code 2764500 1210566 769198 **ENVIROELEX RG58** METAL CONTENT CABLE **HA67 HEAT SHRINK TUBING** HellermannTyton HellermannTyton HUBER+SUHNER **COAXIAL CABLE** TIE (MCT) Enviroflex_B58 basic cable enables Adhesive Lined Heat Shrink Tubing,

users to quickly switch from fluorine/PVC-containing cables to halogen-free alternatives. The materials used in the cable design both for the dielectric and for

the jacket does not include any halogens.

Order Code

2817364



Order Code

1503047

Cable Tie, Nylon 6.6 (Polyamide 6.6), Blue, 150 mm, 3.5 mm, 35 mm, 30 lb.





Heavy Wall, 6:1, 0.748 ", 19 mm, Black, 4 ft, 1.22 m.



Order Code 1729401



TRIM TRIO® WATERPROOF CONNECTORS



900 SERIES BUCCANEER



CPC SERIES 1

Order Code 592882



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.

M12 SENSOR CONNECTORS

Connector System for machine

ensures the communication in

industrial environments.

industrial automation and control

applications provide a solution for

the increasing need for sensor connections that safely and reliably



The PXA911/07/P from Bulgin is a Buccaneer 7 Pole flex cable connector plug.



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 enable customers to reduce installation time, meet harsh and space-saving requirements.



Order Code

105320

3844596



APD SERIES CONNECTORS

The APD-1BS-K2 is a 4-way high-

copper-alloy contacts. This APD series plug has a PBT housing and a

power Plug with silver-plated

PA 66 coupling nut.

Order Code

Order Code



connon

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

2627771

M12 PUSH-PULL **CONNECTORS**



2059907

NANO-CHANGE SERIES CONNECTORS



MATE N LOK SOCKET

Order Code

3994191

CRIMP

Order Code

285407

MICROFIT HEADER



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/nickelplated knurls and NBR sealing. Flexible connectors for on-site assembly.



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.

39-00-0078 is a Mini-Fit female

crimp terminal with tin (Sn) over

mates with Mini-Fit Jr. receptacle

receptacle housing 42474, 43760.

Suitable for power, wire-to-board,

housing 5557, Mini-Fit BMI slide

and lock panel mount 44516, Mini-Fit BMI panel mount

wire-to-wire applications.

copper (Cu) plated brass. It

Order Code

1606734

MINIFIT CRIMP



926895-1 is a universal MATE-N-LOK series socket contact. This contact base material is brass with tin plating and suitable for crimp termination



Order Code

Order Code

2564102

2308659

DT SERIES AUTOMOTIVE



DT series receptacle connector designed for cable to cable and cable to board applications. The DT connector is used in harsh environment applications where even a small degradation in connection may be critical.



Order Code

2725176





43045-1000 is a 43045 series Micro-Fit 3.0mm connector system. Typical applications are consumer, washers and dryers, freezers, gaming machines, printers, refrigerators scanners, security systems, vending machines, white goods, telecommunications/networkingrouters and switches.



molex

Order Code

1012255

HAN-MODULAR E SERIES



METRI-PACK 650

Aptiv Metri-Pack series of

automotive connectors feature

automotive and industrial end use

sealed contacts with current ratings up to 46A ideal for many · APTIV •

10146997-10000LF is a Minitek®Pwr 5.70mm, right angle

MINITEK PWR 5 7

through hole header. It is a flexible and comprehensive solution for power application with high current rating up to 23A per contact and wire gauge range from 16 to 12AWG for wire-to-board application



Amphenol

Han-Modular series of Heavy Duty connector is rated up to 16Å and 400V and up to 500 mating cycles with silver plating contacts.



Order Code

applications

2888010



Order Code

3497405



Order Code

2382688



HAN MODULAR COMPACT



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



multicomp PRO

Order Code

2475594

MAGNETIC 5A CONNECTORS

The MP magnetic connectors are a fantastic solution if you require a 2-contact connector, Nd-Fe-B magnetic connectors 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

3369709

MINI I/O CONNECTORS



Rectangular connectors that transfer data between devices in industrial applications. Supporting Power over Ethernet (PoE), PoE+ and PoE++ (IEEE802.3at and IEEE802.3bt) and Data rates from 10Mbps up to 10Gbps.



Order Code

3398060

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 occurs.



Order Code

4070147

ERBIC FIELD BUS INTERFACE



Connectors for CAN bus and Profibus systems. High Interference resistance. Compact size. 9-pin 2.54mm pitch D-Sub.



INDUSTRIAL ELECTRICAL CONNECTORS

A comprehensive range of CEE Connectors available in IP44 & IP67 variants. Ruggedised 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

4145221

IP67 MP-Y13 / MP-Y21 **BAYONET POWER** CONNECTORS

A robust range of connectors incorporating bayonet couplings for quick and easy connection/ disconnection. Panel mount, cable mount and in-line cable mount options allow versatility. The MP-Y13 series offers up to 13A / 250V and MP-Y21 series up to 30A / 500V.

Order Code

3369849

BRAD INDUSTRIAL ETHERNET CONNECTORS

Bayonet Style and threaded RJ-45 connectors designed to Ethernet specifications. Provides reliable connectivity in harsh industrial



Order Code

2612381

MACHINED MICRO-D SPACE SAVING CONNECTOR **TECHNOLOGY**

Machined Micro-Miniature Interconnect for Cables, Boards and Panels Hand Held & Portable Devices, Wireless Base Stations, Military Telematics, DC/DC Power Supplies, Test & Measurement, Industrial Robotics.

Order Code

3651974

WATERPROOF IP67 LISB TYPE C CONNECTOR

6 contact USB charging connector. For IP67 performance sealing gasket can be ordered separately



Order Code

4046871

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

Order Code

3957705

multicomp_{PRO}

multicomp_{PRO}

molex

MNORCOMP

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

3369971

IX INDUSTRIAL® ETHERNET INTERFACE



Order Code

2932351

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

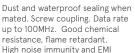
system cameras that operate at speeds up to 1Gb/s.

Order Code

3794462

IP68 SEALED RJ45 BUCCANEER CONNECTORS





mated. Screw coupling. Data rate up to 100MHz. Good chemical resistance, flame retardant. High noise immunity and EMI protection.

Order Code

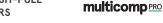
1211517

systems, railway, oil & gas.



multicomp_{PRO}

IP67 M12 PUSH-PULL

























Order Code



/ A WORLDWIDE TEAM WITH A LOCAL FOCUS



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