

# RS PRO

## YOUR SMART CHOICE

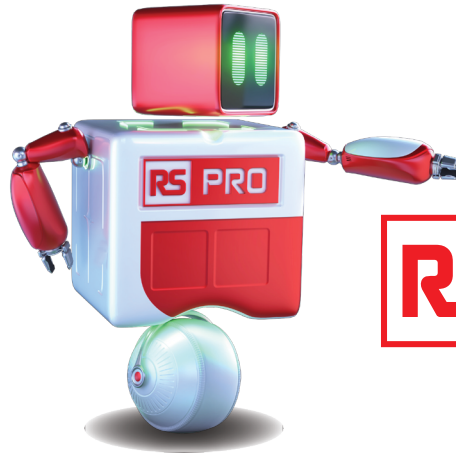


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## YOUR SMART CHOICE

- We have expanded our range with 10,000 new products.
- The RS website now features a Google AI-based search engine, which makes it easier to search for products.
- Furthermore, we are also incorporating 3D models and explanatory videos in many of our RS PRO products, to make it easier for you to make the right choice.
- Finally, during 2025 RS PRO will add the entire range of Reldeen and Pro-FIT to its catalogue, as well as the own brands of the companies specialised in PPE, Needlers and Liscombe, recently acquired by RS.
- And to top it all off, we have just celebrated 8 years of history!

#### Terms and Conditions:

To view our latest prices, charges and full terms see RS Conditions of Sale as set out online at [za.rs-online.com](http://za.rs-online.com).

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**MORE THAN 90,000 PRODUCTS | 31 GLOBAL LOCATIONS | 600,000 CLIENTS AROUND THE WORLD**

RS PRO is an RS own brand. With the most expansive offering in the sector, spanning all technologies and industries, we can combine products into integrated solutions to make our clients' professional lives easier.


We simplify procurement, thus guaranteeing unequalled value and efficiency. The RS PRO seal of approval is your assurance of professional quality, a guarantee that each part has been rigorously tested, inspected and audited in line with strict standards.

**Industrial quality** in all products, backed by our **quality seal**, awarded after a rigorous audit, inspection and testing process




**AUDITED**

Complies with industry standards




**INSPECTED**

To guarantee maximum performance and quality



**TESTED**

By qualified engineers



## CLAMP METERS

- Highly reliable clamp meters at an affordable price, ideal for maintenance work
- To verify the presence of load current, voltage, resistance and other parameters, depending on the model



- 123-3252** ICM30R clamp meter, 300 A ac/dc, 600 V ac/dc, CAT II 600V
- 146-9096** RS338 mini clamp meter, 600V ac/dc, 10 A ac/dc, CAT III 600 V
- 123-3256** ICMA1 clamp meter, 300A ac/dc, CAT III 600 V
- 123-1936** RS330 clamp meter, 400 A ac, 600 V ac/dc, CAT II 1000 V / CAT III 600 V
- 123-1935** RS380 clamp meter, 400 A ac, 600 V ac/dc, CAT III 600 V
- 200-3702** High performance clamp meter, 1000 A ac/dc, 600 V ac/dc, CAT III 1000V / CAT IV 600V

## INSULATION TESTERS

- Before starting your equipment, check the insulation of your cables, motors and generators to avoid possible damage
- Insulation testers help the technicians determine the condition of the electrical equipment during maintenance work



- 123-1931** Insulation tester RS5500, 1000 V, 2 GΩ, CAT III 1000 V
- 123-1934** Insulation tester RS5505, 1000 V, 4 GΩ, CAT III 1000 V
- 123-3220** Insulation tester IIT1500, 1000 V, 20 GΩ, CAT IV 600V

## MAGNETIC FIELD AND VOLTAGE DETECTORS

- Reliably detect magnetic fields and voltages with contactless detectors
- The tips of the detectors light when a magnetic field or voltage is detected
- The voltage detectors also emit a sound signal



- 375-5422** Contactless magnetic field detector, CAT III 1000 V
- 141-1996** Contactless magnetic field detector, ATEX approved
- 161-1627** Contactless voltage detector, CAT III 1000 V / CAT IV 600 V
- 123-3247** Contactless voltage detector, IVP-1, CAT III 1000 V / CAT IV 600 V
- 136-5675** Contactless voltage detector, RS VP-4, CAT IV 1000 V

## DIGITAL MULTIMETERS

- Portable and compact multimeters with a wide variety of measuring functions, such as current, voltage, continuity, diode, resistance, temperature, depending on the model
- LCD display for easy measurement reading



- 161-1625** RS-660 multimeter, 600V ac/dc, 10A ac/dc
- 123-1939** RS12 multimeter, 600V ac/dc, 10A dc, CAT III 600 V
- 123-1938** RS14 multimeter, 600V ac/dc, 10 A ac/dc, CAT III 600 V
- 146-9085** RS-960 multimeter, 600V ac/dc, 10A ac/dc, CAT II 1000V / CAT III 600V
- 123-3237** IDM61 multimeter, 750V ac/1000V dc, CAT II 1000V / CAT III 600V
- 161-1629** RS-9660B multimeter, 1000V ac/dc, 10A ac/dc, CAT III 1000V / CAT IV 600V

## TEST CABLES

- Wide selection of test cables available with different test connectors, cable colours and lengths



- 125-3733** 1.2 m test lead set, CAT III 1000 V, provided with alligator clips
- 161-6511** Set of 0.5 m test leads with insulated alligator clips
- 243-2998** 1.2 m test lead set with silicone case, CAT III 1000V
- 125-3736** 1.2 m test lead set with silicone case and insulated connectors, CAT III 1000 V / CAT IV 600 V

## THERMAL IMAGING CAMERAS

- Suitable for inspection and preventive maintenance work
- To detect any thermal anomaly quickly and accurately
- Light, compact and drop-proof design
- Various models with different resolutions and temperature ranges available



- 193-8700** Thermal imaging camera, DT-870, +20 to +380 °C, 80 x 80 pixels, non-focusing
- 230-9294** RS-986 WiFi thermal imaging camera, -20 °C to + 550 °C, 256 x 192 pixels, non-focusing
- 136-5668** Thermal imaging camera, RS730, 0 a +350 °C, 160 x 120 pixels, manual focusing

**INFRARED THERMOMETERS**

- Easy to use and versatile, ideal for a wide range of applications
- To monitor the temperature of an object where the use of a probe is not suitable
- Models with different temperature ranges and accuracies provided



- 136-7890** IR RS-820 thermometer, -50°C a +380 °C, ±1% accuracy
- 206-8741** IR RS-833 thermometer, -50°C a +650 °C, ±1 °C accuracy
- 206-8742** IR RS-836 thermometer, -50°C a +1000 °C, ±1 °C accuracy
- 193-8691** IR RS-8861 thermometer, -50°C a +550 °C, ±1% accuracy
- 123-2216** IR RS-1327 thermometer, -20°C a +500 °C, ±2% accuracy

**GAS LEAK DETECTORS**

- A gas detector is essential to identify the presence of flammable gas leaks such as gasoline vapours, methane, and other gases related to the installation and maintenance of gas lines



- 144-5342** RS GD-36 gas leak detector with 5 visual gas concentration levels
- 144-5341** RS GD-38 gas leak detector with LED display

**ANEMOMETER**

- Indispensable device for controlling air-conditioning systems
- Its big display enables convenient reading of air velocity, volumetric flow rate and air temperature thanks to the integrated NTC sensor



- 193-8696** DT-3893 windlass anemometer with integrated temperature sensor

**DIGITAL LUX METERS**

- It has been shown that a poorly lit workspace can cause eye strain, headaches, stress, reduced ability to concentrate, low mood and even accidents
- Lux meters are the perfect devices to check the illumination of your facilities



- 123-2220** ILM 1332 lux meter, 0 lx to 200 klx, resolution 0.1 lx
- 123-2221** ILM 1335 lux meter, 0 lx to 400 klx, resolution 0.01 lx
- 123-2222** ILM 1337 lux meter, 0 lx to 20 klx, resolution 0.01 lx

**TACHOMETERS**

- Check the performance of your rotating system, such as motors, conveyor belts, by measuring the rotational speed, shown in revolutions per minute (RPM)
- This will allow you to optimize the system load, improving the efficiency of the system, avoiding possible overloads



- 193-8687** RS AT-6 contactless laser tachometer
- 193-8688** RS AT-8 contact/contactless tachometer

**THERMO HYGROMETER**

- This thermo hygrometer with big LCD display is perfect for measuring temperature and relative humidity in crowded spaces such as offices or warehouses
- For monitoring air quality and environmental comfort levels



- 195-9129** Digital thermo hygrometer with big display

## TOOL KITS

- The RS PRO tool kits have been designed so that every professional has the tools they use most frequently always at hand and tidy
- Various options available for mechanics, maintenance technicians, electronic engineers, plumbers, etc.



**734-8885** 88-piece electrician's tool case

**734-8889** 94-piece mechanic's tool case

## TOOL BAGS

- Optimize your movements and increase your work efficiency by having your tools always perfectly organized in our tool bags, renowned for their strength and durability



**788-7205** Tool bag with hard bottom, 310 x 200 x 210 mm

**788-7223** Electrician's tool bag, 400 x 190 x 300 mm

## ELECTRONICS CUTTING PLIERS

- Everything is smaller in electronics – these electronics cutting pliers are a tool adapted for precision cutting
- Provide a flush cut



**606-490** Side cutting pliers for electronics

## EQUIPPED TOOL TROLLEY

- Tool trolleys are an excellent solution for keeping all types of tools organized in one place
- This model comes fully equipped with EVA rubber modules to ensure organized storage of your tools



**125-3046** Tool trolley with seven drawers and 240 tools

## ALLEN KEY SETS

- Ball end angled Allen key sets available in metric or imperial (fraction of an inch)
- Wide selection of long or short models with chrome or black finish



**542-3509** 15-piece long Allen key set with chrome-plated finish, 1.27 → 10 mm

**449-9606** 9-piece long Allen key set with black finish, 1.5 → 10 mm

**541-7324** Kit of three sets of metric and imperial Allen keys, 33 pcs.

## INSULATED SCREWDRIVER SET

- These screwdrivers are tools for everyday use, and to ensure maximum user comfort, this insulated screwdriver set features ergonomic handles made of soft, non-slip material for excellent grip
- They are VDE compliant for safe operation up to 1000 V



**253-015** Set of 10 insulated screwdrivers, 5 flat, 3 Phillips and 2 Pozidriv

**SOLDERING STATION**

- Soldering station with backlit LCD display for clearly visible temperature information
- Quick and easy set point temperature adjustment
- Includes central power unit, a soldering iron and a soldering iron stand



**799-8941** 90W single-channel soldering station, max. temperature 500 °C

**HOT AIR REWORK STATION**

- Ideal for repair work, this hot air station allows heat to be applied to a specific area of the PCB for desoldering SMD components
- A soldering iron is available for component repositioning



**124-4134** Hot air rework station

**SOLDER WIRES FOR SOLDERING**

- Composed mainly of tin, these high quality wires are characterized by their low melting point, which allows efficient melting during the soldering process.
- Available in various alloys, leaded and lead-free, to suit a variety of applications and standards.



**800-7661** 0.71 mm solder wire, melting at: 183°C, composition: Sn 60%, Pb 40%, weight 250g

**800-7655** 1.01 mm lead-free solder wire, melting at: 217°C, composition: Sn 96.5%, Cu 0.5%, Ag 3%, weight 250g

**179-6660** 1 mm solder wire, melting at: 183°C, composition: Sn 60%, Pb 40%, weight 250g

**179-6662** 1.2 mm solder wire, melting at: 183°C, composition: Sn 60%, Pb 40%, weight 250g

**179-6661** 1 mm solder wire, melting at: 183°C, composition: Sn 60%, Pb 40%, weight 500g

**179-6663** 1.2 mm solder wire, melting at: 183°C, composition: Sn 60%, Pb 40%, weight 500g

**SMOKE EXTRACTOR**

- Specially designed for soldering work, prevents the user from breathing fumes while soldering
- It has a compartment for an active carbon filter that holds harmful particles



**123-4905** Smoke extractor

**THIRD HAND WITH MAGNIFYING GLASS**

- This soldering stand, also known as “third hand”, provides an enlarged view with a magnifying glass up to 6.25X and a secure grip with alligator clips, ideal for detailed SMD soldering work



**146-6439** Soldering stand with magnifying glass and alligator clips

**PRESATURATED ISOPROPYL ALCOHOL WIPES**

- These wipes impregnated with isopropyl alcohol ensure effective cleaning of solder rosin residues, guaranteeing quick and safe drying of sensitive PCB surfaces without leaving traces of cloth or fibres.



**175-7848** Container of 100 presaturated isopropyl alcohol (IPA) wipes

## THICKNESS GAUGE

- Measures the thickness of the layer of paint or other non-magnetic product applied such as zinc on steel or insulating coatings on non-ferrous metals
- Thanks to the memory included in the device, it can record the measurements and transfer the data to a PC for further analysis



**192-4382** RS-156H coating thickness gauge, up to 1350  $\mu$ m

## MICROMETERS

- Micrometers are measuring instruments used to obtain very precise measurements in the order of hundredths or thousandths of a millimetre
- Reads in millimetres or inches
- Calibrated versions available



**705-1229** Digital micrometer, 0-25 mm, resolution 0.001 mm

**725-5724** Analogue micrometer, 0-25 mm, resolution 0.01 mm

## BORE GAUGES

- These bore gauges are accurate measuring tools, designed to check specific dimensions and evaluate the roundness of drilled holes



**785-7881** 51-piece bore gauge set, for diameters from 1 mm  $\rightarrow$  6 mm

**785-7884** 41-piece bore gauge set, for diameters from 6 mm  $\rightarrow$  10 mm

## CALLIPER

- Indispensable tool for machining work, that precisely measures the dimensions of a workpiece and the diameter of the bores
- Reads in millimetres or inches
- Calibrated versions available



**243-6615** 150 mm digital calliper, imperial and metric reading, 0.03 mm accuracy

**243-6616** 150 mm digital calliper, metric reading, 0.03 mm accuracy

**243-6621** 300 mm digital calliper, metric reading, 0.03 mm accuracy

## THREAD GAUGES

- Thread gauges are a very easy to use tool, which are very useful to identify the correct thread pitch
- They are composed of different sheets with thread pitches that are discarded until the one that fits the thread perfectly is found



**387-0183** Thread gauges for imperial and metric systems, 28 blades

**683-0756** Whitworth thread gauges, 27 blades

**683-0737** Metric thread gauges, 28 blades

**387-0199** Metric thread gauges, 28 blades

## SCALES

- These high-precision scales provide five different weight units (g, lb, ml, fl, oz), making them versatile measuring devices
- Their compact and light design makes them easy to transport



**202-8725** 3kg scale, resolution 0.1 g

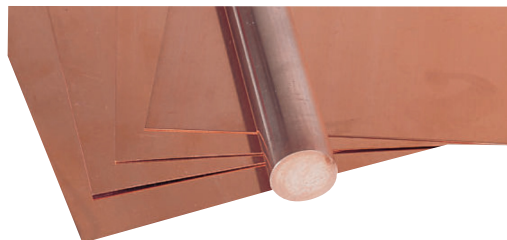
**202-8726** 5kg scale, resolution 1 g

**202-8727** 10kg scale, resolution 1 g



**COPPER SHEETS AND PIPES**

- Copper is probably the oldest metal used by humankind, it has a wide application in various industries, such as wiring, circuit boards, fasteners, pipes and connections, among other uses
- Available in various dimensions and shapes



- 680-959** Copper sheet, length 300 x 300 mm, thickness 0.35 mm
- 684-248** Copper rod, 3 mm x 1 m

**SILICONE SHEETS**

- Waterproof silicone rubber sheeting with good UV and ozone resistance
- Temperature resistance from -60 °C to +200 °C
- Versions with or without adhesive
- Different sheet thicknesses available



- 733-6719** White silicone sheet, 1 m x 600 mm x 1.5 mm
- 733-6729** White self-adhesive silicone sheet, 1 m x 600 mm x 3 mm
- 733-6738** White self-adhesive silicone sheet, 1 m x 600 mm x 6 mm

**STAINLESS STEEL SHEETS**

- Wide selection of 304 and 316 stainless steel sheets
- The main difference between the two materials is that 316 stainless steel contains molybdenum, a component that increases corrosion resistance, especially in more salty and aggressive environments, ideal for the marine industry
- Various dimensions available



- 770-2961** Stainless steel sheet 304, 300 mm x 300 mm, thickness 1 mm
- 770-2968** Stainless steel sheet 304, 1000 mm x 500 mm, thickness 1 mm
- 770-2977** Stainless steel sheet 304, 1000 mm x 1000 mm, thickness 1 mm
- 264-7241** Stainless steel sheet 316, 500 mm x 300 mm, thickness 1 mm
- 264-7263** Stainless steel sheet 316, 500 mm x 300 mm, thickness 1.5 mm
- 264-7279** Stainless steel sheet 316, 500 mm x 300 mm, thickness 2.5 mm

**ALUMINIUM RIBBED SHEETS**

- Aluminium ribbed sheets stand out with a design that provides increased structural strength and a non-slip surface
- Widely used on platforms, stairs and areas prone to slippery conditions
- Available in different thicknesses and sizes



- 495-322** Aluminium ribbed sheet, 2 x 1 m, thickness 3 mm
- 495-338** Aluminium ribbed sheet, 2.5 x 1.25 m, thickness 2 mm

**STAINLESS STEEL TUBES**

- Suitable for transporting large volumes of liquids and gases at high speed, these stainless steel tubes withstand pressures up to 75 bar
- Excellent corrosion resistance
- 2 metres long



- 190-866** Stainless steel tubes, ext. Ø 6 mm, 0.6 mm wall, 2 pcs.
- 190-872** Stainless steel tubes, ext. Ø 8 mm, 0.6 mm wall, 2 pcs.
- 437-3699** Stainless steel tubes, ext. Ø 8 mm, 0.6 mm wall, 5 pcs.
- 190-888** Stainless steel tubes, ext. Ø 12 mm, 1 mm wall, 2 pcs.

**STEEL ANGLES**

- Steel angles are very useful in industry, allowing the construction of strong structures or the addition of structural supports to install new cable trays
- Various sizes available



- 770-620** Steel angle, 20 mm x 20 mm x 3 mm, length 1 m
- 770-636** Steel angle, 25 mm x 25 mm x 3 mm, length 1 m
- 770-642** Steel angle, 40 mm x 40 mm x 5 mm, length 1 m
- 770-658** Steel angle, 50 mm x 50 mm x 6 mm, length 1 m

**PID AND ON/OFF TEMPERATURE CONTROLLERS**

- These temperature controllers with universal input enable simple ON/OFF temperature control or more elaborate control via a PID system
- Easy to configure thanks to the OLED display and three buttons on the front panel
- DIN rail mounting



- 144-8681** Temperature controller with universal input, 3 outputs, power supply 240 V ac
- 144-8679** Temperature controller with universal input, 3 outputs, power supply 24 V ac / dc

**XENON INDICATOR LIGHTS**

- Strong flashing light signal
- Available in red or amber
- Suitable for a wide range of signalling applications
- Quick and easy installation
- Snap-on mounting plate design
- IP67 protection against dust and water entry



- 187-9654** Amber beacon, power supply 10 → 100 V dc, 20 → 72 V ac
- 187-9651** Red beacon, power supply 10 → 100 V dc, 20 → 72 V ac
- 187-9652** Amber beacon, power supply 18 → 30 V dc
- 187-9653** Red beacon, power supply 18 → 30 V dc
- 187-9648** Amber beacon, power supply 115 → 230 V ac
- 187-9650** Red beacon, power supply 115 → 230 V ac

**PROGRAMMABLE COUNTERS**

- 6-digit LED display
- NEMA 4X protection
- Relay output SPST 5 A at 250 V
- Compatible with NPN or PNP proximity
- Manual and automatic reset options



- 808-6614** 24 V ac / dc counter, bidirectional counting, 48x48 format
- 808-6636** 24 V ac / dc counter, bidirectional counting, 96x48 format
- 808-6639** Counter 230 V ac, counting seconds, 96x96 format

**DIGITAL TIMERS FOR DIN RAIL**

- Programmable timers with three-line LCD display
- Pulsed output configuration, ideal for alarms or daily and weekly intervals
- Manual override and easy reset functions



- 896-6876** 24h/7 programmable timer, with ON/OFF output, power supply 110 → 240 V ac
- 896-6885** 24h/7 programmable timer, with pulsed output, power supply 110 → 240 V ac
- 896-6891** 24h/7 programmable timer, with ON/OFF output, power supply 12 V dc

**DC GEARED MOTORS**

- 38 mm geared motors designed for low voltage applications
- 24 V dc supply voltage
- Spur gear head for constant output torque
- 6 mm diameter shaft



- 901-3320** 24 V dc geared motor, 23 rpm, max. torque 600 mNm
- 901-3327** 24 V dc geared motor, 5 rpm, max. torque 600 mNm
- 901-3305** 24 V dc geared motor, 260 rpm, max. torque 70 mNm

**SINGLE-PHASE FREQUENCY INVERTERS**

- Heatsink cooling, without fan
- Integrated grounding terminals to provide increased grounding protection
- Single-phase input with built-in EMC filter
- Input voltage from 200 to 240 V ac
- 5-digit LED display



- 122-3410** Frequency inverter 230 V ac / 7.2A / 0.4 kW, output frequency 0.01 → 599Hz
- 122-3411** Frequency inverter 230 V ac / 11A / 0.75 kW, output frequency 0.01 → 599Hz
- 122-3413** Frequency inverter 230 V ac / 15.5A / 1.5 kW, output frequency 0.01 → 599Hz

**M18 CYLINDRICAL PHOTOCELLS**

- Range of M18 threaded cylindrical photoelectric sensors
- Nickel-plated brass body with IP67 protection
- Suitable for most industrial applications
- Two-colour LED status indication
- CE certified and UL approved
- 2 m 4-wire cable



- 729-5110** Photocell with reflex technology, range 50 mm-7 m, NPN output
- 729-5107** Photocell with on-target detection technology, range 1-140 mm, PNP output
- 729-5094** Photocell with on-target detection technology, range 1-140 mm, NPN output

**PROXIMITY SENSOR TESTER**

- Designed to quickly and reliably test the operation of 3 or 4-wire proximity sensors with PNP or NPN outputs
- Suitable for inductive, capacitive, photoelectric or ultrasonic sensors



**839-9875** RS PRO proximity sensor tester

**CONNECTORS FOR K-TYPE THERMOCOUPLES**

- Green, according to IEC colour coding, for quick and easy identification
- Flat polarized contacts for precise connection
- Made of fibreglass-reinforced thermoplastic
- Capable of withstanding up to 220 °C
- For thermocouple wires up to 4 mm in diameter



- 455-9764** Male connector for K-type thermocouples
- 455-9758** Female connector for K-type thermocouples
- 455-9742** sPanel female connector for K-type thermocouples
- 455-9786** Male and female connectors kit for K-type thermocouples

**INDUCTIVE PROXIMITY SENSORS**

- Versatile, high quality sensors specially designed for industrial environments
- Manufactured in nickel-plated brass housing with IP67 protection
- Operating temperature from -25 to +75 °C
- Including short circuit, overload and reverse polarity protection



- 701-8231** Proximity sensor with M12 threaded body, range 2 mm, PNP output, M12 connector
- 701-8225** Proximity sensor with M12 threaded body, range 2 mm, PNP output, 3-wire cable
- 701-8250** Proximity sensor with M12 threaded body, range 4 mm, NPN output, 3-wire cable

**MANOMETRIC PRESSURE SENSORS**

- Suitable for a wide range of industrial applications with IP67 protection
- Ceramic piezoresistive sensor (AL2 O3 96%) providing excellent media compatibility
- Compact and corrosion-resistant 316L stainless steel housing
- O-rings: Viton



- 797-5018** Relative pressure sensor 0-10 bar, G¼ thread, 4-20 mA output, DIN 43650 connector type C
- 175-4986** Relative pressure sensor 0-10 bar, G¼ thread, output 0-5 V dc, connector M12
- 797-5030** Relative pressure sensor 0-25 bar, G¼ thread, output 0-5 V dc, DIN 43650 connector type C

**PRT PROBES (PLATINUM RESISTANCE THERMOMETER)**

- High-quality PRT PT100 and PT1000 probes
- Manufactured to industry standards, these stainless steel probes are an excellent solution for temperature measurement



- 896-8395** PT100 probe, 5 mm diameter x 50 mm, max. temp. +100°C, 1.5m cable
- 896-8399** PT1000 probe, 5 mm diameter x 50 mm, max. temp. +100°C, 1.5m cable

## PNEUMATIC QUICK CONNECT COUPLINGS

- Polyoxymethylene (POM) body and nickel-plated finish for corrosion protection
- POM is a good insulator with excellent abrasion resistance
- Maximum pressure of 10 bar
- Operating temperature from 0 °C to +60 °C



**916-0873** Push-in quick connect couplings, 6mm, straight

**916-0877** Push-in quick connect couplings, 8mm, straight

**916-0909** Push-in quick connect couplings, 6mm, T

**916-0902** Push-in quick connect couplings, 8mm, T

## NYLON HOSES FOR PNEUMATICS

- Flexible, light and durable, resistant to a wide range of chemicals
- Made of nylon with excellent resistance to ageing
- High moisture absorption and abrasion resistance
- Without silicone



**483-4970** Flexible nylon hose, blue, ext. Ø 6 mm, length 30 m

**483-5030** Flexible nylon hose, blue, ext. Ø 8 mm, length 30 m

**483-5080** Flexible nylon hose, blue, ext. Ø 10 mm, length 30 m

**483-5557** Transparent flexible nylon hose, ext. Ø 6 mm, length 30 m

**483-5002** Transparent flexible nylon hose, ext. Ø 8 mm, length 30 m

## PRESSURE REGULATOR

- A pressure regulator is an essential device in pneumatic systems to control and adjust compressed air pressure, ensuring stable and accurate operation of equipment such as cylinders and pneumatic tools



**235-1139** Pneumatic regulator, G ¼ connection, pressure 0.3 bar → 10 bar

## MANUAL PNEUMATIC VALVES

- When deactivated the valves discharge residual pressure and block the air flow
- Used to connect and disconnect air to pneumatic devices, such as blowers, drills or paint sprayers
- Suitable for applications up to 10 bar pressure and use of polyurethane or nylon tubing



**916-0968** Manual pneumatic valve for 6mm tubing

**916-0962** Manual pneumatic valve for 8mm tubing

**916-0971** Manual pneumatic valve for 10mm tubing

## ANALOGUE PRESSURE GAUGES

- These pressure gauges are versatile and reliable, ideal for pneumatic applications, such as low capacity compressors, heating, air conditioning, etc.
- They efficiently control pressures in gaseous and liquid media.



**722-788** Analogue pressure gauge with back connection, 0 bar → 10 bar, thread R1/8, Ø ext. 40 mm

**188-986** Analogue pressure gauge with bottom connection, -1 bar → 0 bar, BSP connection 3/8, Ø ext. 100 mm

## BALL VALVES

- Manage the compressed air supply in your application with these small shut-off valves
- These valves offer the ability to stop or allow air flow at specific times, adjusting to the precise needs of your application



**486-334** Shut-off valve, G ¼ connection, male - female

**486-277** Shut-off valve, G ¼ connection, female - female

**BALL BEARINGS**

- Ball bearings are very common and versatile, have low friction, low noise and vibration
- They allow high rotational speeds and support radial and axial loads
- Easy to install and low maintenance



<b>618-9979</b>	Ball bearing 6800-2RS, Ø int. 10 mm, Ø ext. 19 mm, width 5 mm
<b>619-0014</b>	Ball bearing 626-2Z, Ø int. 6 mm, Ø ext. 19 mm, width 6 mm
<b>618-9957</b>	Ball bearing 608-2RS, Ø int. 8 mm, Ø ext. 22 mm, width 7 mm
<b>619-0036</b>	Ball bearing 608-2Z, Ø int. 8 mm, Ø ext. 22 mm, width 7 mm
<b>619-0121</b>	Ball bearing 6001-2RS, Ø int. 12 mm, Ø ext. 28 mm, width 8 mm
<b>619-0345</b>	Ball bearing 6004-2RS, Ø int. 20 mm, Ø ext. 42 mm, width 12 mm

**SHAFT COLLARS**

- The shaft collar is a mechanical part for securing components, such as pulleys or gears, to the end of a shaft
- Placed around the shaft and fastened with one or more screws, the collar provides stability and enables efficient transmission of motion between the shaft and the mounted component



<b>823-6939</b>	Shaft collar with set screw for 6 mm shafts
<b>823-6941</b>	Shaft collar with set screw for 8 mm shafts
<b>823-6954</b>	Shaft collar with set screw for 10 mm shafts
<b>823-6963</b>	Shaft collar with set screw for 16 mm shafts
<b>823-6976</b>	Shaft collar with set screw for 20 mm shafts
<b>823-6982</b>	Shaft collar with set screw for 25 mm shafts

**O-RING KITS**

- Very popular in sealing applications, nitrile O-rings are resistant to water, petrol and petroleum derivatives, propane and some hydraulic fluids
- Viton® O-rings are recommended for applications with high temperatures and/or aggressive chemical products



<b>705-8958</b>	Nitrile metric O-ring kit, 385 pcs.
<b>756-034</b>	Nitrile metric O-ring kit, 510 pcs.
<b>245-9628</b>	Viton® metric O-ring kit, 510 pcs.
<b>756-028</b>	Nitrile imperial O-ring kit, 382 pcs.
<b>756-040</b>	Viton® imperial O-ring kit, 382 pcs.

**FOOT BRACKETS WITH BALL BEARINGS**

- Ball bearing units with foot brackets consist of a ball bearing mounted in a cast housing that can be bolted to a supporting surface



<b>750-8933</b>	Bearing-mounted foot bracket, Ø int. 12 mm
<b>750-8949</b>	Bearing-mounted foot bracket, Ø int. 17 mm
<b>750-8946</b>	Bearing-mounted foot bracket, Ø int. 20 mm
<b>750-8952</b>	Bearing-mounted foot bracket, Ø int. 25 mm
<b>750-8964</b>	Bearing-mounted foot bracket, Ø int. 30 mm
<b>750-8977</b>	Bearing-mounted foot bracket, Ø int. 35 mm

**TIMING BELTS**

- Miniature rubber timing belts
- Fibreglass reinforced rubber teeth
- Available in different sizes to suit different application needs



<b>778-5039</b>	57-tooth timing belt with 2,032 mm pitch, length 115.82 mm
<b>778-5032</b>	60-tooth timing belt with 2,032 mm pitch, length 121.92 mm
<b>778-5067</b>	103-tooth timing belt with 2,032 mm pitch, length 209.3 mm
<b>778-5073</b>	115-tooth timing belt with 2,032 mm pitch, length 233.68 mm
<b>778-5076</b>	126-tooth timing belt with 2,032 mm pitch, length 256.03 mm
<b>778-5086</b>	165-tooth timing belt with 2,032 mm pitch, length 335.28 mm

**POLYURETHANE HEAT-SEALABLE CORDS**

- Heat-sealable cord, ideal for creating and replacing straps in place according to application needs
- High tensile strength
- Easy to join, no special safety measures required



<b>309-8094</b>	Polyurethane heat-sealable cord, 5 m, Ø 2 mm
<b>309-8101</b>	Polyurethane heat-sealable cord, 5 m, Ø 3 mm
<b>309-8117</b>	Polyurethane heat-sealable cord, 5 m, Ø 4 mm
<b>309-8123</b>	Polyurethane heat-sealable cord, 5 m, Ø 5 mm
<b>309-8145</b>	Polyurethane heat-sealable cord, 5 m, Ø 8 mm

## CONNECTION CABLES WITH TRIPLE CERTIFICATION

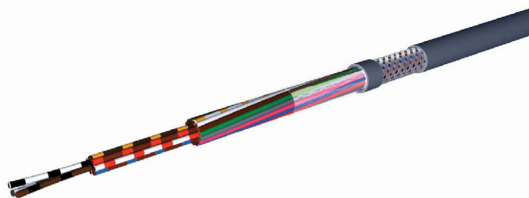
- Ideal for wiring instrumentation panels and switchboards, these flexible cables meet the specifications of three standardization bodies
- Voltage up to 1000V



<b>628-5320</b>	Triple-certified connection cable, black, cross-section 10 mm <sup>2</sup> , length 100 m
<b>906-2726</b>	Triple-certified connection cable, blue, cross-section 10 mm <sup>2</sup> , length 100 m
<b>628-5493</b>	Triple-certified connection cable, brown, cross-section 10 mm <sup>2</sup> , length 100 m
<b>628-5358</b>	Triple-certified connection cable, green and yellow, cross-section 10 mm <sup>2</sup> , length 100 m
<b>628-5314</b>	Triple-certified connection cable, red, cross-section 10 mm <sup>2</sup> , length 100 m
<b>628-5516</b>	Triple-certified connection cable, grey, cross-section 10 mm <sup>2</sup> , length 100 m

## LIYCY SHIELDED CABLES FOR DATA AND SIGNAL TRANSMISSION

- LiYCY shielded cables are multi-core, flexible cables used in industry for data and signal transmission in fixed installations and applications with movement that require flexibility but without tensile stress



<b>136-8214</b>	2-conductor LiYCY cable, cross-section 0.75 mm <sup>2</sup> , length 100 m
<b>136-8215</b>	3-conductor LiYCY cable, cross-section 0.75 mm <sup>2</sup> , length 100 m
<b>136-8216</b>	4-conductor LiYCY cable, cross-section 0.75 mm <sup>2</sup> , length 100 m

## XLR FORMAT USB CONNECTORS FOR PANEL MOUNTING

- Assortment of USB connectors, XLR format for panel mounting, ideal for ensuring a reliable USB connection by connecting a USB cable on each side of the panel
- Various interfaces available



<b>916-0221</b>	USB 2.0 pass-through connect A to A
<b>916-0227</b>	USB 2.0 pass-through connector, interface B to A
<b>916-0215</b>	USB 3.0 pass-through connector, interface A to A
<b>916-0224</b>	USB 3.0 pass-through connector, interface B to A
<b>143-8923</b>	USB C pass-through connector
<b>203-5583</b>	USB C double pass-through connector

## CONNECTION CABLES FOR HARSH ENVIRONMENTS

- Silicone sheathed connection cables, suitable for harsh environments and high temperatures
- Tin-plated copper cable
- Available in 100 m reels



<b>265-3022</b>	Black connection cable, cross-section 1 mm <sup>2</sup>
<b>265-3016</b>	Red connection cable, cross-section 1 mm <sup>2</sup>
<b>265-3038</b>	Green and yellow connection cable, cross-section 1 mm <sup>2</sup>

## XLR FORMAT ETHERNET COUPLERS FOR PANEL MOUNTING

- With RJ45 female connectors at both ends, these XLR format Ethernet couplers are a secure and practical solution for establishing connections through a panel
- Versions for UTP and FTP cables



<b>916-0243</b>	Ethernet Cat5e coupler, UTP shield
<b>916-0252</b>	Ethernet Cat5e coupler, FTP shield
<b>916-0255</b>	Ethernet Cat6 coupler, UTP shield
<b>916-0259</b>	Ethernet Cat6 coupler, FTP shield

## HOLLOW FERRULES

- The hollow ferrules are used to enable precise insertion of the wires into the various terminals and provide a better grip on screw connections, ensuring a reliable connection
- Available in various sizes and colours



<b>458-689</b>	Hollow ferrules for white 0.5 mm <sup>2</sup> cables
<b>458-702</b>	Hollow ferrules for red 1 mm <sup>2</sup> cables
<b>211-4280</b>	Uninsulated hollow ferrules for 1.5 mm <sup>2</sup> cables
<b>458-718</b>	Hollow ferrules for black 1.5 mm <sup>2</sup> cables
<b>458-780</b>	Hollow ferrules for blue 2.5 mm <sup>2</sup> cables
<b>178-8746</b>	Hollow ferrules for two 4 mm <sup>2</sup> cables

**TINNED COPPER BRAIDED SLEEVES FOR CABLES**

- The shielding mesh provides effective shielding for cable harnesses and wires against electromagnetic, electrostatic and radio frequency interferences



- 181-1981** Braided sleeve for cables, length 10 m, Ø 4 mm
- 181-1982** Braided sleeve for cables, length 10 m, Ø 6 mm
- 181-1985** Braided sleeve for cables, length 10 m, Ø 12.5 mm
- 181-2004** Braided sleeve for cables, length 100 m, Ø 4 mm
- 181-2022** Braided sleeve for cables, length 100 m, Ø 7.5 mm
- 181-2023** Braided sleeve for cables, length 100 m, Ø 10 mm

**SELF-ADHESIVE BASES FOR CABLE TIES**

- The adhesive cable tie bases are elements designed to simplify the organization and fastening of cables or other elements
- They have an adhesive surface on the back for easy installation on different kinds of surfaces



- 204-0240** Self-adhesive natural colour bases for cable ties, dim. 12.5 mm x 12.5 mm
- 811-1713** Self-adhesive natural colour bases for cable ties, dim. 19.5 mm x 19.5 mm
- 811-1717** Self-adhesive natural colour bases for cable ties, dim. 29.2 mm x 29.2 mm
- 811-1723** Self-adhesive black bases for cable ties, dim. 12.5 mm x 12.5 mm
- 811-1726** Self-adhesive black bases for cable ties, dim. 19.5 mm x 19.5 mm
- 811-1729** Self-adhesive black bases for cable ties, dim. 29.2 mm x 29.2 mm

**CONDENSATE DRAIN PLUG FOR ELECTRICAL CABINETS**

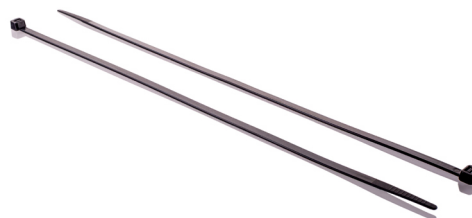
- Protect your electrical cabinet against corrosion with our drain plug. Eliminates condensation that can form with temperature changes, maintaining an optimum indoor environment, prolonging the life of your electrical equipment.



- 838-827** Condensate drain plug

**NON-REMOVABLE CABLE TIES**

- Nylon cable ties are an essential part of cable management and cable organisation, providing a fast and efficient fastening solution in a wide range of applications
- Various sizes available



- 233-487** Nylon cable ties, black, dim. 300 mm x 4.8 mm, 100 pcs.
- 269-1799** Nylon cable ties, black, dim. 300 mm x 4.8 mm, 250 pcs.
- 811-1650** Nylon cable ties, black, dim. 300 mm x 4.8 mm, 1,000 pcs.

**VANDAL-PROOF SWITCHES**

- Designed to prevent intentional damage, these vandal-proof buttons are the perfect choice for devices in public spaces or remote locations. From "Push to Talk" intercoms to service station equipment, parking systems, etc.



- 811-8480** SPDT button, momentary action, 5 A @ 250 V ac, non-illuminated
- 111-6527** SPST button, momentary action, 2A @ 36V dc, blue LED, 24V ac/dc
- 811-8433** SPDT button, maintained action, 3 A @ 250 V ac, yellow LED, 24V ac/dc
- 811-8519** SPDT button, maintained action, 5 A @ 250 V ac, red LED, 24V ac/dc
- 811-8538** SPDT button, momentary action, 5 A @ 250 V ac, blue LED, 24V ac/dc
- 811-8483** SPDT button, maintained action, 5 A @ 250 V ac, blue LED, 12 V dc

**METAL CABINETS**

- Wall-mounted cabinets, with their sturdy design for wall mounting, protect electrical components such as switches, control panels and switchgear in any environment



- 775-5788** Metal cabinet, 300 x 200 x 150 mm, IP66
- 775-5814** Metal cabinet, 500 x 400 x 200 mm, IP66
- 775-5356** Metal cabinet, 700 x 500 x 260 mm, IP66
- 775-5366** Metal cabinet, 1000 x 600 x 260 mm, IP66

## STORAGE MODULES WITH DRAWERS

- Polypropylene drawer units with semi-transparent pull-out drawers
- Ideal for storing and arranging small components
- Depending on the weight of the stored parts, it is recommended you fix the drawers to the wall



**877-6803** 30-drawer module (420 mm x 270 mm x 130 mm)

**877-6812** 40-drawer module (420 mm x 270 mm x 130 mm)

## BOXES WITH COMPARTMENTS

- Organizer boxes with compartments to store any type of objects, such as screws, nuts, washers, O-rings, etc.
- 5 fixed sections and 12 adjustable dividers for customized configuration
- Transparent lid to see the contents easily



**435-0179** Organizer box with adjustable compartments (60 mm x 395 mm x 305 mm)

**435-0191** Organizer box with adjustable compartments (60 mm x 510 mm x 330 mm)

## MODULAR STORAGE SHELVES

- Modular shelving with 5 height adjustable shelves
- Each shelf unit consists of four uprights, five shelves, shelf supports and four plastic feet
- Max. load capacity, 265 kg



**771-9180** Modular shelving with 5 shelves, 1800 mm x 900 mm x 450 mm

**813-3228** Modular shelving with 5 shelves, 1800 mm x 900 mm x 600 mm

## TRAYS

- The storage trays enable classification and quick access to tools and parts, keeping order in workshops and warehouses, to optimize your work space
- Available in various colours and sizes



**484-4056** Blue tray, 240 x 150 x 130 mm

**484-4107** Blue tray, 350 x 205 x 130 mm

**484-4034** Red tray, 240 x 150 x 130 mm

**484-4078** Red tray, 350 x 205 x 130 mm

**484-4062** Yellow tray, 240 x 150 x 130 mm

**484-4113** Yellow tray, 350 x 205 x 130 mm

## CABINETS FOR HAZARDOUS SUBSTANCES

- Safe storage solution for flammable liquids, chemicals, paints, pesticides and other potentially hazardous substances
- Completely welded structure with spill-proof sump and shelves with drainage holes



**424-5364** Hazardous materials cabinet with 1 door and 1 shelf, 457 mm x 457 mm x 305 mm

**314-7641** Hazardous materials cabinet with 2 doors and 1 shelf, 915 mm x 712 mm x 459 mm

**251-867** Hazardous materials cabinet with 2 doors and 2 shelves, 1125 mm x 1535 mm x 560 mm

**314-7663** Hazardous materials cabinet with 2 doors and 3 shelves, 915 mm x 1830 mm x 459 mm

## LOCKERS

- Discover the fusion of modern design and security with our lockable lockers, perfect for storing your clothes and belongings safely, each unit includes two keys
- Ideal for work environments, gyms and universities



**521-374** Locker with 1 door with lock, 1800 mm x 300 mm x 450 mm

**521-364** Locker with 2 doors with lock, 1800 mm x 300 mm x 450 mm



**THREADED BRASS INSERTS FOR PLASTIC**

- The brass threaded inserts for plastic ensure a sturdy and durable threaded connection. They provide reusable threads and increase load capacity up to four times by extending the shear surface area.
- There are models without head designed for flush mounting, and others with head for surface mounting.



- 278-534** M3 headless threaded inserts, flush mounting
- 278-556** M4 headless threaded inserts, flush mounting
- 278-578** M6 headless threaded inserts, flush mounting
- 278-584** M3 threaded inserts with head, surface mounting
- 278-607** M4 threaded inserts with head, surface mounting
- 278-629** M6 threaded inserts with head, surface mounting

**SCREW AND BOLT KITS**

- Assortments of stainless steel screws in different lengths and sizes, supplied in compartment boxes
- Different head and recess shapes available



- 466-7720** Nuts and bolts kit with hexagon head M6, M8, M10, M12, 624 pcs.
- 225-3357** Allen screw kit with internal hexagon socket M3, M4, M5, M6, 545 pcs.
- 281-984** Screw kit with Pozidriv recess M2, M2.5, M3, M4, M5, M6, 3,168 pcs.
- 281-978** Screw kit with slotted recess M2, M2.5, M3, M4, M5, M6, 3,168 pcs.
- 819-9004** Washers, nuts and bolts kit with Torx recess M3, M4, M5, M6, 2,475 pcs.

**ELASTIC CLAMPS**

- The elastic clamps, also known as pipe clamps, are versatile fastening tools that easily adjust to a variety of pipe sizes and clamp securely and reliably



- 507-797** Elastic clamps, Ø 19.05 mm
- 507-810** Elastic clamps, Ø 12.7 mm
- 507-775** Elastic clamps, Ø 28.58 mm
- 507-781** Elastic clamps, Ø 25.4 mm

**NYLON BODY SEPARATORS**

- The separators are used to separate a printed circuit board (PCB) from other components or boards, performing a function similar to spacers.
- The female-female type has internal threads at both ends, while the male-female type has an internal thread at one end and a threaded bolt at the other, enabling the connection between components.



- 653-9403** Threaded male-female separators, M3 x M3, Ø ext. 8 mm, length 13 mm
- 653-9368** Threaded male-female separators, M4 x M4, Ø ext. 8 mm, length 25 mm
- 653-9419** Threaded male-female separators, M4 x M4, Ø ext. 8 mm, length 30 mm
- 653-9374** Threaded male-female separators, M4 x M4, Ø ext. 8 mm, length 20 mm

**THREADED INSERTS FOR REPAIRING METAL THREADS**

- Also known as helical inserts or helicoils, these are small cylinders with internal threads that allow the repair of damaged threads in materials such as steel, plastic or wood without having to replace the entire part



- 175-0422** M4 threaded inserts, length 6 mm
- 175-0430** M5 threaded inserts, length 10 mm
- 175-0424** M6 threaded inserts, length 9 mm
- 175-0425** M8 threaded inserts, length 12 mm
- 175-0420** M12 threaded inserts, length 12 mm

**SCREW AND DOWEL SET**

- This fastening set contains different coloured dowels for quick size identification, corresponding drill bits and different screw sizes
- Dowels 5, 6 and 7 (100 pcs. of each)



- 537-1852** Screw and dowel set, 606 pcs.

## NIMH RECHARGEABLE BATTERIES

- For more responsible and sustainable use, rechargeable nickel metal hydride (NiMH) batteries enable hundreds of recharges
- Compatible with any NiMH battery chargers
- Various sizes and capacities available



<b>504-6051</b>	AAA rechargeable NiMH batteries, 1.2V, 800 mAh
<b>617-0767</b>	AAA rechargeable NiMH batteries, 1.2V, 1 Ah
<b>183-4281</b>	AAA rechargeable NiMH batteries, 1.2V, 1.1 Ah
<b>6118-674</b>	AA rechargeable NiMH batteries, 1.2V, 1.7 Ah
<b>476-2033</b>	AA rechargeable NiMH batteries, 1.2V, 2.3 Ah
<b>6170-773</b>	AA rechargeable NiMH batteries, 1.2V, 2.6 Ah

## ALKALINE BATTERIES

- Long-life, non-rechargeable alkaline batteries, ideal for powering everyday electronic devices
- Rated voltage: 1.5 V, 4.5 V and 9 V
- Various sizes and capacities available



<b>826-4432</b>	Alkaline batteries, C size, 1.5 V, 15 pcs. pack
<b>826-4423</b>	Alkaline batteries, D size, 1.5 V, 15 pcs. pack
<b>790-4697</b>	Pouch battery, 4.5V, 4.4 Ah
<b>826-4435</b>	Alkaline batteries, 9 V, 15 pcs. pack

## LEAD ACID BATTERIES

- Sealed lead-acid batteries suitable for industrial applications, aerospace and uninterruptible power supply (UPS) systems
- Rugged ABS resin housings with UL 94-HB flammability rating
- No maintenance required



<b>537-5422</b>	Lead acid batteries, 6V, 4Ah, Faston F1 terminals
<b>727-0382</b>	Lead acid batteries, 6V, 7Ah, Faston F2 terminals
<b>686-7253</b>	Lead acid batteries, 12V, 5Ah, Faston F1 terminals
<b>537-5488</b>	Lead acid batteries, 12V, 7Ah, Faston F1 terminals
<b>537-5494</b>	Lead acid batteries, 12V, 18Ah, threaded T12 terminals

## CR LITHIUM BUTTON CELL BATTERIES

- CR non-rechargeable button cell batteries have a voltage of 3 V and are made of lithium-manganese dioxide
- Supplied in multiples of 5 pcs.
- Available in a wide variety of sizes and capacities



<b>866-0653</b>	CR1220 button cell batteries, 3V, 36 mAh
<b>866-0663</b>	CR2025 button cell batteries, 3V, 160 mAh
<b>866-0672</b>	CR2032 button cell batteries, 3V, 225 mAh
<b>866-0675</b>	CR2430 button cell batteries, 3V, 300 mAh
<b>866-0679</b>	CR2450 button cell batteries, 3V, 620 mAh

## AA AND AAA ALKALINE BATTERIES

- Non-rechargeable AA and AAA 1.5 V alkaline batteries
- Available in packs of 12, 20 and 100 pcs.



<b>744-2199</b>	AA alkaline batteries, 1.5 V, 12 pcs. pack
<b>917-6588</b>	AA alkaline batteries, 1.5 V, 20 pcs. pack
<b>789-2828</b>	AA alkaline batteries, 1.5 V, 100 pcs. pack
<b>744-2209</b>	AAA alkaline batteries, 1.5 V, 12 pcs. pack
<b>917-6581</b>	AAA alkaline batteries, 1.5 V, 20 pcs. pack
<b>789-2821</b>	AAA alkaline batteries, 1.5 V, 100 pcs. pack

## POWER SUPPLIES

- Wide range of closed frame or DIN-rail mountable switch-mode power supplies, ideal for most electronic applications
- Various configurations available



<b>161-8278</b>	Switch-mode power supply, 5V dc, 10A, 50W
<b>161-8285</b>	Switch-mode power supply, 12V dc, 6A, 72W
<b>161-8270</b>	Switch-mode power supply, 24V dc, 8.4A, 200W

**BATTERY HOLDER**

- Compact and orderly solution for storing batteries required to power electronic devices
- Different models available depending on size and number of batteries



- 185-4726** Battery holder for 3 AAA batteries
- 594-628** Battery holder for 4 AA batteries
- 594-612** Battery holder for 4 C size batteries
- 185-4698** Battery holder for 2 D size batteries

**SOLAR CHARGER**

- Solar charger kit for powering or recharging portable devices in remote locations where there is no electricity
- Ideal for exterior work
- 2 Ah battery capacity



- 906-4236** Solar charger

**LEAD ACID BATTERY CHARGERS**

- 12 or 24 V DC lead acid battery chargers
- Supplied with cables terminated with clamps
- Input voltage from 100 to 240 V AC
- They have several protection levels – against overvoltage (OVP), overcharge (OCP), and high temperature (OTP)



- 549-283** Lead acid battery charger, 12V, 2A output, EU plug
- 549-338** Lead acid battery charger, 12V, 4A output, EU plug
- 549-328** Lead acid battery charger, 12V, 10A output, EU plug
- 549-300** Lead acid battery charger, 24V, 2A output, EU, UK plug

**LI-ION BATTERY CHARGER**

- 3-cell Li-ion battery charger
- 11.1 V output voltage
- Has interchangeable plugs for adaptation to other countries
- Supplied with several output connectors enabling polarity reversal



- 173-5590** Li-ion battery charger, 11.1 V output, 2A, AUS, EU, UK, USA plug

**BATTERY TESTER**

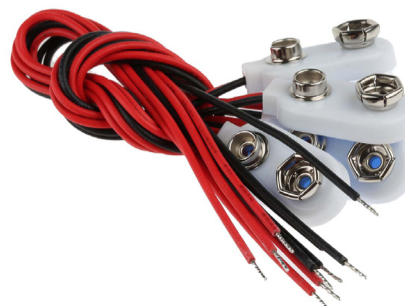
- Allows you to check the charge status of alkaline batteries, button cells and digital camera batteries in a jiffy
- Suitable for a wide range of sizes



- 176-9374** Battery tester

**CONTACTS FOR 9V BATTERY**

- Together with a 9V battery, they are the perfect combination for powering prototypes and electronic devices
- Various cable lengths



- 185-4790** Contacts for 9V battery, 150 mm cables
- 489-021** Contacts for 9V battery, 250 mm cables, 5 pcs.

## WORK GLOVES

- Reusable seamless nylon gloves, snug fit for greater sensitivity and precision
- Nitrile-coated palm for high abrasion resistance
- Provide excellent gripping in dry or oily conditions



**869-1578** Work gloves with nitrile-coated palm, size 9

**869-1572** Work gloves with nitrile-coated palm, size 10

## FFP2 DISPOSABLE MASK

- FFP2 mask with valve designed to protect people exposed to particles, fine toxic dust, fumes and vapours
- Exhalation valve helps breathing with less resistance and adjustable nose clip provides greater user comfort



**918-5826** FFP2 disposable mask with valve

## DISPOSABLE EARPLUGS

- The tapered earplug design provides a comfortable and precise fit for a wide variety of auditory canals, reducing noise levels by up to 37 dB
- Dispenser available for easy earplug access and distribution



**918-5703** Disposable earplugs supplied in box of 500 pairs

**918-5709** Reusable earplug dispenser

## SAFETY HELMETS

- Lightweight helmets with ventilation slots for better heat dissipation
- Adjustable 6-point textile harness with a wheel, padded strap and chinstrap
- Short visor for better visibility



**161-8137** Yellow safety helmet

**161-8136** Orange safety helmet

## SAFETY GLASSES WITH CLEAR LENSES

- General use safety glasses with modern, lightweight design, equipped with adjustable temples for maximum comfort
- The transparent lenses have anti-scratch treatment and resistance to low energy impacts below 45 m/s



**918-5743** Safety glasses with UV and anti-scratch protection

## SAFETY BOOTS

- Combine safety and comfort with these waterproof and abrasion-resistant leather boots with mesh lining and EVA rubber insoles to reduce fatigue and provide greater wearer comfort
- Anti-static and oil-resistant soles, ideal for demanding environments



**246-0990** Waterproof safety boots, size EU 38

**246-0992** Waterproof safety boots, size EU 41

**246-0994** Waterproof safety boots, size EU 42

**246-0996** Waterproof safety boots, size EU 44

**246-0997** Waterproof safety boots, size EU 46

**246-0999** Waterproof safety boots, size EU 48

**LAMPS FOR MACHINERY**

- Good lighting is essential to work safely and avoid accidents
- There are different ways to correctly light the workplace, using a flexo, a spotlight or a linear bar, for example



- 777-7974** Flexo type machinery lamp with adjustable arm, 24 V, 12 W
- 777-7952** Flexo type machinery lamp with flexible neck, 100 → 277 V ac, 3 W
- 777-7962** Adjustable spotlight for machinery, 24 V, 12 W
- 777-7965** Linear bar type machinery lamp, 100 → 260 V AC, 24 W

**INDUSTRIAL LED HOODS**

- Lighting plays an important role in worker safety, LED industrial hoods provide perfect lighting for workshops and warehouses
- Improve your warehouse lighting and save energy with LED technology



- 231-8135** Industrial LED hood, 150 W, 19 500 lm, 4000 K, dimmable
- 231-8136** Industrial LED hood, 150 W, 19 500 lm, 6500 K, dimmable
- 231-8137** Industrial LED hood, 200 W, 26 000 lm, 4000 K, dimmable
- 231-8138** Industrial LED hood, 200 W, 26 000 lm, 6500 K, dimmable

**LED FLOODLIGHTS**

- The LED floodlights are ideal for lighting specific spaces, both indoor and outdoor
- IP65 protection rating, dust and watertight
- 6500 K colour temperature



- 787-1317** LED floodlight, 30 W, 2400 → 2700 lm
- 872-4127** LED floodlight, 150 W, 13500 → 14500 lm

**RECHARGEABLE POCKET FLASHLIGHTS**

- Thanks to their small size, these flashlights fit perfectly in your pocket
- They have a magnetic base that enables illumination of the work area, without having to hold the flashlight
- Various light output options



- 219-8130** Pocket flashlight, 600 lm, 125 m range
- 219-8131** Pocket flashlight, 1500 lm, 190 m range
- 219-8132** Pocket flashlight, 1800 lm, 200 m range

**EMERGENCY LIGHTING**

- Emergency lighting plays a crucial role in safety and security, and maintains visibility in adverse conditions, thus contributing to the protection and efficient evacuation of people in case of contingencies
- Various models available with IP65 protection, with or without batteries



- 795-9378** 3W LED emergency light
- 146-8981** 2.0.5W LED emergency light
- 192-7110** 6.5W LED emergency light

**HEADLAMPS**

- The headlamps are characterized by their powerful brightness, and enable the user to work efficiently and hands-free in low-light environments
- Various models with different light output



- 186-4621** Headlamp, 250 lm, 66 m range, IPX6
- 186-4622** Headlamp, 450 lm, 100 m range, IPX5
- 219-8134** Headlamp, 575 lm, 148 m range, IP64
- 219-8135** Headlamp, 815 lm, 55 m range, IP64

**SPRAY PAINTS**

- Acrylic aerosol paints with high covering capacity
- Fast drying
- Chemical and water-resistant
- Wide range of colours
- 400 ml aerosol



- 764-3023** White spray paint, gloss
- 764-3049** Red spray paint, gloss
- 764-3036** Black spray paint, gloss
- 764-3039** Black spray paint, matt
- 764-3064** Gray primer spray

**SILICONE FOAM ADHESIVE TAPES**

- With one adhesive-coated side, these silicone foam tapes are perfect for shock and vibration absorption, as well as thermal insulation applications



- 733-6781** Silicone foam adhesive tape, grey, length 6.1 m, width 12 mm, thickness 2.4 mm
- 733-6797** Silicone foam adhesive tape, grey, length 5 m, width 20 mm, thickness 6.4 mm

**EPOXY ADHESIVES**

- Quick-drying, two-component epoxy adhesives, provided in double cartridges for easy and clean application
- They can be used with most materials, such as glass, wood, metals and plastics
- Applicators and nozzles available



- 132-605** Transparent epoxy adhesive, 24 ml double cartridge
- 406-9592** Yellow epoxy adhesive, 200 ml double cartridge
- 850-962** Black epoxy adhesive, 25 ml double cartridge (only for ES)

**CONDUCTIVE PAINT**

- This conductive silver paint is mostly used to repair PCB tracks or to draw electrical connections on non-solderable surfaces
- Quick drying, circuit ready to use in less than 30 minutes



- 186-3600** Conductive paint, 20 g bottle
- 123-9911** Conductive paint, 5 g bottle

**ISOPROPYL ALCOHOL (IPA)**

- Isopropyl alcohol is a versatile solvent and disinfectant, widely used in industrial areas for cleaning electronic boards and components, removing solder residues and fluxes, cleaning machinery and tools, etc.
- Various formats and containers available



- 187-6955** Isopropyl alcohol cleaner, 1 l bottle
- 136-8530** Isopropyl alcohol cleaner, 400 ml aerosol
- 567-890** Isopropyl alcohol cleaner, 500 ml can

**SILICONE GREASE**

- General use silicone grease, suitable for thermal conductivity and sealing applications
- Temperature range from -50°C to 200°C
- It is both a good electrical insulator and waterproof



- 494-124** 100 g silicone grease tube

**FOAM CORNER AND EDGE PROTECTORS**

- These foam protectors include a strong adhesive for easy installation
- Cushion and reduce damage with impacts
- Black and yellow for higher visibility
- Various options available



- 724-9788** Foam corner protector (length 750 mm, width 30 mm)
- 724-9794** Angled foam protector (length 75 mm, width 30 mm)
- 724-9782** Foam corner protector (length 5 m, width 30 mm)
- 724-9779** Round foam edge protector (length 750 mm, Ø 40 mm)

**SPILL ABSORBERS**

- It is important to contain spills as soon as possible, to prevent falls and soil contamination
- White – for oil spills
- Yellow – any chemical substance
- Black and grey – same as yellow, except for aggressive chemical substances



- 189-0029** Oil spill absorbers, 30 l absorption
- 189-0030** Maintenance spill absorbent, 30 l absorption
- 189-0031** Chemical spill absorbent, 60 l absorption
- 189-0032** Oil spill absorbers, 60 l absorption
- 771-6399** Chemical product spill absorbents, 18 l absorption, box of 20 wipes

**BEACON TAPES**

- Using these marking tapes makes it is easy to restrict access to dangerous areas or to control access to work sites
- Two colour combinations available – red and white or black and yellow



- 503-708** Black/yellow beacon tape (50 mm x 100 m)
- 503-714** Red/white beacon tape (50 mm x 100 m)

**SIGNALLING CONES**

- Class 1 or 2 reflective signalling cones, depending on model
- Ideal for warehouses, factories, car parks
- Various heights available



- 503-681** Class 1 reflective signalling cone, height 30 cm
- 221-7861** Class 1 reflective signalling cone, height 50 cm
- 221-7863** Class 1 reflective signalling cone, height 75 cm

**HAZARD WARNING SIGNS**

- Hazard warning signs are useful for signalling any risk to a person's physical integrity
- The ISO 7010 standard has a series of internationally recognized graphic designs, colours and pictograms to improve worker safety



- 813-4423** Self-adhesive electrical hazard warning sign (100 mm x 100 mm)
- 776-0945** Self-adhesive electrical hazard warning sign (150 mm x 150 mm)
- 813-4445** Self-adhesive hot surface danger warning sign (100 mm x 100 mm)

**CONSIGNMENT, BLOCKING AND LABELLING**

- Machine consignment consists of:
- Separating the machine from all power sources
- Locking it to prevent unintentional activation
- Eliminating any source of accumulated energy that could lead to a hazardous situation



- 862-5247** Set of 24 consignment products for electrical panels and valves
- 862-5240** Locking kit for valves
- 489-141** Steel locking jaw for 6 padlocks



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