

A close-up photograph of a woman with dark hair, smiling warmly while talking on a black headset microphone. In the background, another woman is visible, looking towards the camera with a slight smile. The image is partially overlaid by a white text box on the left and a red and purple diagonal graphic at the bottom.

Need a Quote?

You'll get great savings every time with our Quotation Service.

Contact us to see how much you could save:

0800 888 780

quotesandtenders@rs-components.com



nz.rs-online.com





Products for the
FOOD & BEVERAGE
Industry

Offering you the widest range of products
for the **Food & Beverage** Industry



Contents

- 06 RS Pro
- 08 Heavy Duty Connectors
- 09 Connectors & Heatshrink
- 10 Power Supply & Switches
- 11 Terminals & Interface
- 12 Thermal Management
- 13 Thermal Imaging & Temp
- 14 Conduit & Cable Ties
- 15 Pneumatics
- 16 Sensors
- 17 Electrical Test
- 18 PPE
- 19 Safety & Sanitation

Products for the Food & Beverage Industry

Food and beverage processing is one of the largest manufacturing industries. The industry is highly dynamic driven by demanding consumers seeking diversity, quality and value.

In this brochure we highlight products suitable for the food & beverage and associated industries.

From paddock to port, RS Components supplies the Food & Beverage Industry with innovative products from the leading suppliers backed by reliable world-class delivery.

Join the conversation



Terms & Conditions: Prices listed in this brochure are valid from May 2018 to August 2018 but are subject to change and may be based on multiple units. Published by: RS Components Ltd, Level 6, 56 Cawley Street, Penrose, Auckland. For full terms and conditions visit nz.rs-online.com

Cut costs and take control with an RS eCommerce Solution

If multiple people across your organisation are placing large numbers of low-value orders, you have little control over who's ordering what. And you're almost certainly wasting both resources and money. You could also be losing valuable production time if the ordering process only starts when a part or item needs replacing. Delays can occur while the purchasing process lumbers into action - meaning costly downtime. The good news is there's a simple and effective way to cut your company's procurement costs and gain control of your budget spend.

Purchasing action	Average process cost	The difference with an RS eCommerce Solution
 Searching for supplier and product	\$23.68	Direct access to our inventory of over 500k products means less time shopping around. You can search directly for the parts you need with our eCommerce Solutions.
 Placing the order	\$44.40	Check stock availability, prices and technical data instantly. No more inaccurate data, time-wasting repetition or needless manual input.
 Chasing supplier and receiving delivery	\$28.12	Count on us for on-time deliveries and efficient fulfilment.
 Processing invoices	\$45.88	We can support fast and efficient invoicing or consolidated monthly summaries, personalised to suit your business.
 Paying supplier	\$5.92	Our invoicing capabilities ensure easy invoice reconciliation and quicker payment processing.
	\$148.00 Total process cost	A simplified procure-to-pay process, saving you money

For up to date pricing & offers visit nz.rs-online.com today! 

Cutting the MRO costs of a confectionary giant

RS has helped a leading confectionery manufacturer achieve significant cost savings in the indirect procurement process through its Purchasing Manager™ system.

End inefficient, costly procurement processes

Procurement teams and engineers face a number of challenges when it comes to the maintenance, repair and operation of their organisation's assets and facilities. The supply chain for indirect materials is complex due to the number of stakeholders involved, a fragmented supply base and the sheer number of products split across multiple categories. In addition, there is constant pressure from senior management to reduce costs.

As one of the largest suppliers of industrial supplies, RS is in a unique position to understand the complex needs of its customers and to help these businesses improve their processes and make efficiencies.

The crucial statistic for organisations to understand is that with indirect procurement, process costs can be twice as much as the amount spent on the products themselves. So if your organisation spends \$185,000 on purchasing products over the course of a year, you will spend a further \$370,000 on processing or 'soft costs'.

2:1

Indirect (MRO) process costs

Indirect (MRO) product costs

As such, there is significant value in reducing process costs, rather than focusing purely on the purchase price of individual items.

The challenge

An example of how RS has been able to help a customer take better control of its process costs is our work with a well-known confectionery manufacturer, a market leader within its category with a turnover in excess of \$185 million.

RS has worked with this company for a number of years, supplying a wide variety of products. This includes electrical and automation products, PPE equipment, tools and test equipment, which are used by maintenance engineers to help keep operations running.

As a large organisation, the confectionary manufacturer had a long-term plan to streamline their purchasing process, which included reviewing all indirect spend. The procurement department was challenged to reduce admin and bureaucracy around the purchasing process so that it would be quicker and require less input from multiple stakeholders across the business.

Typically, the customer was spending significant time locating suppliers who had the products they needed and then comparing quotes; raising POs with a finance team; and arranging for delivery to be achieved in a time that didn't impact the day- day business.

They also felt there was a great deal of duplication and manual entry of information during purchasing. In short, the process was delaying procurement of low-value products, while taking valuable time away from employees' core responsibilities.

The solution

The first step was to process map the company's current procure-to-pay process. This was led by RS's dedicated team of eCommerce specialists and the customer's key stakeholders then, using a process cost calculator (produced in collaboration with Chartered Institute of Procurement & Supply), it was possible to calculate the time taken for each process step in order to produce the total cost to the company for every order they place.

By doing this, it was identified that each PO raised, took 88 minutes from end to end, costing \$137 per order. For RS alone, they were placing over 200 orders annually, with a similar number of orders being placed with multiple suppliers.

RS found that the simplest way to remove many of the issues (and additional cost) in the process was to introduce PurchasingManager™ to the customer. PurchasingManager™ is a web-based, order management system used alongside the RS website. Buyers can create account structures across their organisation, assign spend controls, cost centres and approval limits to help manage all RS Online purchasing.

The system allows the end user, usually an engineer, to go onto the RS website, choose the product they need, order it and see when the delivery will be made. Behind the scenes a confirmation request is sent to a senior colleague who can quickly approve the cost and the order is processed.

PurchasingManager™ addressed the authorisation process and became the only authorisation required to approve an order from RS. Once an order is approved, it is sent directly to RS without procurement being involved. The confectionery customer was able to use a single monthly blanket order rather than individual POs, meaning that the only PO processing now takes place at the end of the month.



The existing process was unnecessarily complicated:

- An engineer would choose a basket of goods, raise a paper requisition and send it to their superior for authorisation
- Once this authorisation was granted the requisition was sent to procurement. Procurement would then check the price online before raising a purchase order
- The purchase order would need to be signed off by the head of procurement before the PO was emailed to RS for fulfilment
- Once the goods were delivered, a three-way match was needed between the email request, the PO on their system and the individual invoices

The outcome

The customer now has a simplified workflow with empowered end users, which has significantly reduced processing costs, enabling all functions involved in the indirect purchasing process to focus on value added activities in their respective roles. The customer has moved from an average cost per order of \$137 before PurchasingManager™ was introduced, to \$85 now. The number of orders also increased to 1,089 annually as they consolidated more orders with RS, reducing their supplier base. Based on the new cost per order, this equated to a \$56,410 saving annually compared to their old process.

The entire purchasing process has been greatly speeded up, more employees are ordering from trusted suppliers (rather than using local or online purchases), which improves contract compliance, and parts are being successfully delivered when engineers want them, which means there is far less downtime.

The result is that the customer has gone from an inefficient, costly process with too much duplication of tasks and a lack of clarity to becoming highly efficient with real transparency throughout the purchase-to-pay process.

\$56,410 (3.7 weeks)

Savings per year

Time per year

Prominent Indicator Panel Mount LED Indicators

- 10mm coloured diffused epoxy style lens
- 16mm chrome bezel
- 0.11in. (2.8 x 0.8mm) terminal connections



210-131	Green, 230Vac	\$29.16
207-911	Red, 24Vdc	\$16.33
210-670	U/bright Green, 12Vdc	\$45.17

Enclosed Variable Transformers

- A robust range of enclosed style variable transformers for surface floor or wall mounting
- Single or three phase versions available in a range of current ratings
- Continuously variable AC output voltage with overvoltage tap



890-2819	1 Phase 2.4kVA, 240V	\$553.64
890-2850	3 Phase 8.14kVA, 415V	\$1,806.63

LBC Fuse Kit

- A Fuse Kit with an assortment of 360, 5 x 20 Fuses
- Fast, time-delay or semi-timed action
- 18 Compartments of 20 fuses



611-8955	5 x 20 Fuse Kit	\$229.72
-----------------	-----------------	-----------------

Isolating Transformers

- High quality safety and isolating transformers designed for use in control circuits and general applications
- Low loss noise laminations
- Dual standard primary winding 230 / 400Vac with +15V tap for input flexibility



504-145	300VA 24-0-24V o/p	\$211.79
504-218	500VA 55-0-55V o/p	\$279.46
504-228	500VA 0-230V o/p	\$282.42
504-139	200VA 0-230V o/p	\$173.83

BA15d LEDs for Light Towers

- LED lamp for use in light towers (stacking beacons)
- Each lamp contains 6 high intensity LEDs designed for maximum light output with a full 360° viewing angle
- 24Vac/dc and 130, 230Vac types



209-333	Green, 24 V ac/dc	\$88.45
209-327	White, 24 V ac/dc	\$85.87
211-190	White, 130 V ac	\$112.84
209-282	Yellow, 24 V ac/dc	\$50.26

Isolating Transformers

- High quality safety and isolating transformers designed for use in control circuits and general applications
- Low loss noise laminations
- Dual standard primary winding 230 / 400Vac with +15V tap for input flexibility



504-234	1000VA 0-230V o/p	\$504.14
504-123	200VA 24-0-24V o/p	\$173.83
504-212	300VA 55-0-55V o/p	\$209.57

DC Axial Fans

- Diecast aluminium frame (painted black)
- UL94V-0 thermoplastic impeller
- Brushless motor



619-6753	1444m ³ /h, 64W, 24 V dc	\$353.65
619-6719	3995m ³ /h, 23.28W, 24 V dc	\$231.32

2.5m Power Cord

- High-quality 3-pin AS3112 plug for use in Australia or New Zealand
- 2.5 m of harmonised mains cable H05VV-F, 1.00 mm²
- IEC connector option has straight, type C13 connector to EN60320



321-174	C13 connector	\$25.25
321-168	Non-terminated End	\$20.15

Panel Mount Micro-D Solder Connector Plug

- Machined aluminium housings with glass filled polyester insulators and good EMI/RFI protection
- Colour coded 450mm PFTE lead (MIL Std 681)
- Cadmium plating for military application Ω



452-940	9 Way, 250 V dc, 3A	\$82.03
----------------	---------------------	----------------

12W Plug In Power Supply

- Universal full range AC input
- Interchangeable AC heads
- Level VI Efficiency



124-4716	12V dc, 1A Level VI 1 Output	\$18.77
-----------------	------------------------------	----------------

60W Desktop Power Supply

- External switch mode power supplies
- 0.5 W max. no load stand-by power
- High efficiency, long life, and high reliability



188-781	24V, 2.5A	\$71.89
188-769	12V, 5A	\$71.89
445-107	12V, 6.66A	\$103.08

50VA Isolating Transformers

- High quality safety and isolating transformers designed for use in control circuits and general applications
- Low loss noise laminations
- Dual standard primary winding 230 / 400Vac with +15V tap for input flexibility



504-313	24-0-24V o/p	\$92.16
504-290	12-0-12V o/p	\$91.19

Han HSB Series size 16 B Connector Inserts

- 35A current rating
- Poles: 6+PE (screw connection – wire csa 6mm²)
- Flammability rating UL94-V0



181-0959 Female, 7 Way, 35A, 690 V

MPN: 09310062701 **\$59.66**

181-0943 Male, 7 Way, 35A, 690 V

MPN: 09310062601 **\$58.35**

Ha-VIS eCon 2000 Fast Ethernet Basic

- Non-Blocking fast Ethernet switching architecture, in accordance with IEEE 802.3
- Auto-Negotiation, auto-polarity and auto-MDI(X) provide the user with a plug & play solution
- Reverse polarity and surge protect



812-8838 RJ45 8 Port

MPN: 24020080010 **\$316.13**

Han-INOX Series size 10 Hoods and Housings

- Stainless steel construction
- Electrical conductive surface
- IP65 protection (IP67 achieved with seal screw)



700-8051 Top Entry Hood

MPN: 19443100447 **\$204.79**

700-8054 Bulkhead Housing

MPN: 19443100305 **\$136.50**

700-8042 Side Entry Hood

MPN: 19443100547 **\$172.82**

Harting Har-Port Series USB Panel Mount Couplers

- This Harting range of panel mounted har-port Couplers are available with various combinations of USB to USB Types and Genders
- They are also available supplied with and without cable extensions
- Featuring a design that is both robust and attractive, these har-port couplers are also compact and easy to install



875-5578 A-A PFT black

MPN: 09454521904 **\$32.32**

765-8757 A-A coupler

MPN: 09454521902 **\$46.73**

Han-Eco Series size 6 B Hoods and Housings

- Weight reduction combined with mechanical strength
- Fast assembly process without tools
- Highly resistant to environmental stress, suitable for use in outdoor applications



742-2722 Side Entry Hood with Gland

MPN: 19411060522 **\$31.48**

742-2707 Bulkhead Housing

MPN: 19410060301 **\$15.23**

Harting Harax M12 Series Connectors

- Protection IP 67 when mated
- Transmission Characteristics DIN 50 173-1
- Termination HARAX IDC



623-5864 M12 Ethernet, Strt, Male

MPN: 21032811405 **\$55.62**

623-5915 M12 A-Coded, Strt, Female

MPN: 21032122305 **\$30.66**

HE Series size 6 Connector Hoods & Accessories

- Hoods are made from aluminium alloy casting and available in top, angled or side entry
- Hoods provide IP65 sealing when fitted, PG variants are supplied complete with cable sealing glands
- Bases made from aluminium alloy casting and in top entry only, supplied with panel sealing gaskets



300-3800	Side entry cable hood	MPN: 1-1102289-6	\$44.27
300-3793	Top entry cable hood	MPN: 1-1102293-6	\$45.96
300-3973	Panel base	MPN: 1-1102296-1	\$45.31
300-4033	Surface mount base	MPN: 1-1102298-1	\$119.11

HE Series Connector Inserts

- Male and female inserts will fit either cable hood housings or base housings
- The inserts is supplied without contacts
- Each insert has a separate earth contact



300-3715	Female, 16 Way	MPN: 1-1103639-1	\$22.46
300-3670	Male, 16 Way	MPN: 1-1103638-1	\$30.44
300-3709	Female, 10 Way	MPN: 1-1103637-1	\$30.31

HTAT Semiflex Dual Wall Heat Shrinkable Tubing

- Environmental sealing, high-strength bonding
- Operating temp -55°C to 110°C
- Installation temp. 125°C



344-0669	32-8mm i/d	MPN: HTAT-32/8-0-STK	\$74.91
344-0653	24-6mm i/d	MPN: HTAT-24/6-0-STK	\$48.50
344-0603	4-1mm i/d	MPN: HTAT-4/1-0-STK	\$10.39
344-0675	48-13mm i/d	MPN: HTAT-48/13-0-STK	\$145.38

DuraSeal Butt Wire Splice Connectors

- DuraSeal heat-shrinkable nylon insulated crimp splices with environmental sealing that protects the splices against water, condensation, salt and corrosion
- These DuraSeal heat-shrinkable crimp splices also provide strain relief, electrical insulation and offer protection against vibration in rugged environments



782-0766	Yellow, 0.250in.(Min.),0.110in (Pack of 50)	MPN: D-406-0003	\$86.75
782-0753	Red, 0.145in.(Min.),0.055in (Pack of 50)	MPN: D-406-0001 (967398-000)	\$71.50

RNF 100 Mixed Heat Shrink Kit

- High quality heat shrink tubing
- Supplied in storage box
- Shrink ratio of 2:1



113-2596	450 pieces	MPN: RNF 100 KIT	\$200.64
-----------------	------------	------------------	-----------------

PIDG Crimp Terminal and Splice Introduction Service Kit

- This handy PIDG crimp terminal and splice service kit contains a total of 295 PIDG and Plasti-Grip terminals and splices in 19 different styles
- This service kit is conveniently packed into a rugged plastic case, which also has a compartment for a SuperChamp II crimp tool (sold separately)



243-1052	PIDG Introduction Kit	MPN: 165346	\$305.17
-----------------	-----------------------	-------------	-----------------

SP-200 Series 240W Embedded Switch Mode Power Supply

- High efficiency, long life and high reliability
- Built-in constant current limiting circuit, suitable for battery charging - SP-200 series only
- Built-in fan with speed control



705-9835 24V, 10A

MPN: SP-240-24RS

\$272.29

705-9838 30V, 8A

MPN: SP-240-30RS

\$272.29

RSP Series Embedded Switch Mode Power Supply

- High efficiency up to 90%
- Built-in active PFC function, PF0.95
- Protections: Short circuit, Overload, Over voltage, Over temperature, Fan alarm



674-1665 24V, 125A, 3000W

MPN: RSP-3000-24

\$1,403.33

150-966 48V 21A, 1008W

MPN: RSP-1000-48

\$767.58

705-9872 24V, 100A, 2400W

MPN: RSP-2400-24RS

\$951.32

SD-50 Series Single Output Enclosed Regulated Isolated DC-DC Converter

- High reliability
- Wide 2:1 input voltage range
- Regulated outputs



183-641 36-72Vin, 24Vdc 2.1A

MPN: SD-50C-24

\$127.48

10400 Series DP On-(On) Push Button Switch

- Terminations sealed with epoxy resin
- 10mmØ panel cut out
- 13mmØ button caps available separately



236-9553 DPDT Panel Mount

MPN: 104450003

\$50.10

TXH Series Embedded Switch Mode Power Supply

- Compact U-bracket and enclosed power supplies
- Screw terminal block
- Very high efficiency of up to 93%



706-6300 12V, 10A, 120W

MPN: TXH 120-112

\$235.30

706-6316 12V, 20A, 240W

MPN: TXH 240-112

\$302.51

AW Series Toggle Switches

- Toggle switches with silver plated contacts sealed to prevent the ingress of dust or liquids
- Connection via 250in. (1/4in.) receptacles or soldering
- For biased operation 'on' refers to momentary on position



266-2206 4PST

MPN: A4TK15W04

\$93.49

266-2234 4PDT

MPN: A4TP15W04

\$140.89

For up to date pricing & offers visit nz.rs-online.com today!

NPN to PNP/PNP to NPN signal converter

- Supply voltage range 20 – 30Vdc
- 200mA continuous current
- 15kHz max. transmission frequency



532-9980 Switching amplifier

MPN: 2964319

\$53.22

PLC-RSC Series 24V dc DIN Rail Interface Relay Module

- Relays and opto-couplers for inputs and outputs with "pluggable" switching devices
- Four bridging slots to reduce wiring; bridging of up to 80 modules is possible
- Screw terminal connections



358-8301 SPDT, 24DC/21

MPN: 2966171

\$31.45

434-1327 DPDT, 24DC/21-21

MPN: 2967060

\$41.45

DIN Rail mount RS485 Repeater

- For use on virtually all 2-wire RS485 bus systems, i.e. PROFIBUS, MODBUS
- Operates up to 1.5Mbit/s
- Allows more than 32 nodes on an RS485 network



370-7669 Interface converter

MPN: 2744429

\$621.83

221 Series Compact Splicing Connectors

- Up to 40 % smaller less space required than for the original WAGO 222
- Transparent housing for visual inspection shows that the wire is inserted properly and stripped to the correct length
- Easy termination via reduced operating force



883-7544 2 Way/Pole (Pack of 10)

MPN: 221-412

\$7.72

883-7548 3 Way/Pole (Pack of 10)

MPN: 221-413

\$9.40

883-7557 5 Way/Pole (Pack of 10)

MPN: 221-415

\$15.25

222 Series Non-Fused Terminal Blocks

- Fast and safe connecting
- No tools needed



475-1437 3 Way/Pole (Pack of 10)

MPN: 222-413

\$11.32

507-7011 5 Way/Pole (Pack of 10)

MPN: 222-415

\$25.82

758-1650 2 Way/Pole (Pack of 10)

MPN: 222-412

\$10.63

Universal NI Series 316 Stainless Steel Wall Boxes

- IP66 protection rating
- Flexible equipment mounting options
- Specially designed gutter system



885-2764 300 x 200 x 150

MPN: NI03021/S

\$741.00

885-2786 400 x 300 x 200

MPN: NI04032/S

\$932.00

885-2773 400 x 300 x 150

MPN: NI04031/S

\$890.00



TopTherm Fan Filter Unit

- Flexible assembly options
- Minimum installation depth
- Even air distribution



756-9884 292 x 292mm (Bag of 5)

MPN: SK 3173.100

\$81.90

4656 Series AC Axial Fan

- Wide selection of models, dimensions and air performance levels
- Optimum efficiency and noise level due to well-engineered aerodynamic design of the fan blades
- Available in GreenTech EC technology or AC technology



825-6670 160m³/h, 19W, 230 V ac

MPN: 4656EZ

\$92.24

DIN Rail Mount Enclosure Heaters

- Enclosed heater with 0-60°C thermostatic control and LED status indicator
- Self regulating PCT heating elements
- Thermal cut-out



282-1304 550W 230Vac

MPN: 02701.0-00

\$491.60

282-1326 350W 230Vac

MPN: 02700.0-00

\$424.24

6200N Series DC Axial Fans

- IP68 compliant DC fans with electronic rotor switching and integrated electronic switching regulation
- Fibreglass-reinforced plastic, PBTP housing and PA vane
- Protected against polarity reversal and overload



776-1285 410m³/h, 18W, 24 V dc

MPN: 6224NU

\$185.61

482-118 410m³/h, 24V

MPN: 6224N

\$165.59

W2S130 Series AC Axial Fan

- Compact high performance equipment cooling fans
- Housing constructed from diecast aluminium
- Motor stall protection by temperature sensor with automatic reset



457-7324 380m³/h, 47W, 230 V ac

MPN: W2S130-BM03-01

\$215.74

Fan Mounted Filters

- Front grille: moulded in black ABS plastic
- Internal plate: mild steel with inner wire mesh grille
- Fastens on to standard fan mounting point



504-956 For 92 x 92mm frame

MPN: PMFA90

\$46.63

507-905 For 120x120mm frame

MPN: PMFA120

\$46.18

221-342 For 120x120mm frame

MPN: PMFA120T

\$17.34

221-336 For 80x80mm frame

MPN: PMFA80T

\$13.18

DM166 Handheld Thermal Imaging Multimeter

- Built-in 80 x 60 resolution thermal camera sensor visually guides you to an electrical problem
- Range of Measurement Options: Includes True RMS, VFD mode
- Comes with high-quality test leads and a Type K thermocouple input



168-1351 50kHz

MPN: DM166

\$746.00

TG-165 Infrared Thermometer

- Frame Rate: 9 Hz
- Image Resolution: 4800 pixels (80 x 60)
- Spot size ratio: 24:1



848-1331 -25°C to +380°C

MPN: TG-165

\$521.46

CM275 Clamp Meter

- Find problems faster
- Diagnose efficiently
- Document and share results



168-1358 AC/DC Clamp Meter

MPN: CM275

\$1,040.47

HI 98509 Digital Thermometer

- One of the world's most accurate temperature testers
- Temperature range -50 to +150 °C (-58 to +302 °F)
- Resolution 0.1 °C (0.1 °F)



846-4708 -50 to +150 °C

MPN: HI98509

\$96.18

C2 Thermal Imaging Camera

- Easily affordable
- Light, slim profile
- Contains a built-in LED spotlight that can be used as a flashlight and for photo illumination



866-8124 80 x 60pixel

MPN: 72001-0101

\$943.74

Type K Surface Temperature Probes

- Time constant 1 second (clean tip)
- Solid waterproof handle for added protection and to prevent damage by excess heat
- Wide temperature measurement range of -200 to 1000°C



342-8956 Max +250 °C

\$108.28

342-8899 Max +1100 °C

\$120.90



Liquid Tight Conduit Fittings

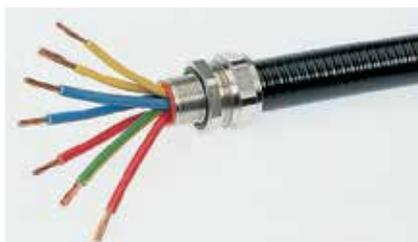
- Brass Silver
- Nickel Plated
- IP66, IP67, IP68, IP69K



123-800	M25, 25mm [Pack of 10]	MPN: SPL25/M25/M X 10	\$261.20
123-793	M20, 20mm [Pack of 10]	MPN: SPL20/M20/M X 10	\$167.67
123-787	M16, 16mm [Pack of 10]	MPN: SPL16/M16/M X 10	\$189.44
123-816	M32, 32mm [Pack of 10]	MPN: SPL32/M32/M X 10	\$426.31

SPL PVC Coated Galvanised Steel Liquid Tight Conduit

- IP67 (with Fittings)
- -20°C to +105°C operating temperature
- Non Flame propagating to EN50086



123-721	16mm (10 metre Reel)	MPN: SPL16/10M	\$263.04
123-737	20mm (10 metre Reel)	MPN: SPL20/10M	\$223.19
123-743	25mm (10 metre Reel)	MPN: SPL25/10M	\$356.98
123-759	32mm (10 metre Reel)	MPN: SPL32/10M	\$354.49

Ty-Rap Series Blue Nylon Cable Ties

- Detectable by metal detectors set at minimum 1.5mm diameter ferrous sphere
- Detectable by X-ray equipment
- Bright blue colour for easy visual detection



812-5444	340mm x 6.86 mm [Bag of 50]	MPN: TY527M-NDT	\$72.98
812-5431	186mm x 4.7 mm [Bag of 100]	MPN: TY525M-NDT	\$48.18
812-5429	91.9mm x 2.36 mm [Bag of 100]	MPN: TY523M-NDT	\$34.39
812-5435	361mm x 4.7 mm [Bag of 100]	MPN: TY528M-NDT	\$32.39

Ty-Rap Series Black Nylon Weather Resistant Cable Tie

- Weather & UV resistant
- Use in indoor and outdoor applications
- Rounded edges prevent damage to bundles



484-9405	92mm x 2.4 mm [Box of 1000]	MPN: TYB23MX-RS	\$119.15
484-9411	140mm x 3.6 mm [Box of 1000]	MPN: TYB24MX-RS	\$166.68
484-9427	186mm x 4.8 mm [Box of 1000]	MPN: TYB25MX-RS	\$216.43

Grey PVC Cable Trunking

- Available in 1 or 2m lengths
- Open or Narrow slot



301-1924	Open slot trunking, 25 x 25mm 2m L [Pack of 8]	\$109.90
758-9260	Slotted trunking 8mm 15W x 25H 2m [Pack of 8]	\$66.29
301-1974	Open slot trunking, 50 x 50mm 2m L [Pack of 8]	\$180.75
758-9276	Slotted trunking 8mm 25W x 60H 2m [Pack of 8]	\$166.13

e-chain Black Igumid G Cable Chain Trunking

- Chains for various applications
- Large pins for long service life
- Smooth interior for long cable life



486-8664	Micro W16.5 mm x D15mm	MPN: 06.10.038.0	\$47.49
486-8686	Mini W36 mm x D23mm	MPN: 10.025.038.0	\$74.89

SIEN Series Inductive Proximity Sensors

- PNP output
- Flush mounting installation
- Available with open ended or plug electrical connections



FESTO

121-5561 M5, Plug	MPN: SIEN-M5B-PS-S-L	\$162.64
121-5560 M5, Cable	MPN: SIEN-M5B-PS-K-L	\$162.64
121-5564 M8, Plug	MPN: SIEN-M8B-PS-S-L	\$139.81

VZWF Series 2/2 Solenoid/Pilot Inline Pneumatic Solenoid Valves

- 2/2 way normally closed poppet valve with a return spring
- Use with air, water or neutral media
- Inline mounting



FESTO

121-5801 Female G $\frac{1}{2}$	MPN: VZWF-B-L-M22C-G12-135-1P $\frac{1}{4}$ -10	\$183.80
121-5802 Female G1	MPN: VZWF-B-L-M22C-G1-275-1P $\frac{1}{4}$ -6	\$294.09
121-5803 Female G $\frac{3}{4}$	MPN: VZWF-B-L-M22C-G1 $\frac{1}{4}$ -135-1P $\frac{1}{4}$ -10	\$183.80

SMT/SME-10M Series C-Slot Proximity Sensors

- Compatible with all Festo C-Slots
- 24 V dc Operating Voltage
- Switching outputs PNP, NPN, contacting



FESTO

121-5820 C-slot, 3 Wire 0.3m	MPN: SME-10M-DS-24V-E-0,3-L-M8D	\$80.41
121-5826 T-slot, 3 Wire 5m	MPN: SME-8M-DS-24V-K-5,0-OE	\$69.63
121-5824 T-slot, 3 Wire 0.3m	MPN: SME-8M-DS-24V-K-0,3-M8D	\$64.53
121-5822 C-slot, 2 Wire 2.5m	MPN: SME-10M-ZS-24V-E-2,5-L-OE	\$76.73

DFPD Series Quarter Turn Rotary Actuators

- Torque range: 10 Nm to 480 Nm
- Single and double acting options
- ISO 52111



FESTO

121-5296 F03 Flange Pattern	MPN: DFPD-10-RP-90-RD-F03	\$177.10
121-5298 F04 Flange Pattern	MPN: DFPD-10-RP-90-RD-F04	\$177.10

Festo PUN Series Polyurethane Tubing

- Highly flexible plastic tubing
- Fits a variant of fittings
- Compressed air in accordance with ISO 8573-1:2010



FESTO

136-7101 4mm OD, 50m (Bag of 50)	MPN: PUN-H-4X0,75-TBL	\$86.90
136-7106 12mm OD, 50m (Bag of 50)	MPN: PUN-H-12X2-TBL	\$393.80
136-7103 6mm OD, 50m (Bag of 50)	MPN: PUN-H-6X1-TBL	\$129.80
136-7105 10mm OD, 50m (Bag of 50)	MPN: PUN-H-10X1,5-TBL	\$281.05

VMG series blow guns

- Energy saving
- Shock resistant body
- Gun body made from high impact, shock resistant resin



SMC

690-0212 -5 - 60°C, 1/4in, 0 - 10bar	MPN: VMG11BU-F02	\$103.27
---	------------------	-----------------

DFS60 programmable incremental encoder

- Any PPR can be programmed from 1 - 10000
- Programmable output levels TTL (RS422) or HTL (Push-pull)
- Solid shaft or hollow shaft design



SICK

712-5412 10000 ppr Solid 5 - 32 V dc MPN: DFS60B-S1PA10000 **\$517.09**

VTF18 Series Diffuse Photoelectric Sensors

- Simple assembly and alignment
- Reliable detection of objects regardless of colour
- Rated to IP69K



SICK

741-7600 PNP MPN: VTF18-4P1240V **\$155.26**
741-7604 NPN MPN: VTF18-4N1240V **\$220.40**

LFP Series Vertical Mounting Radar Level Detection

- Four button set-up
- No requirement for calibration or re-calibration
- 3 in 1 Combination, Display, analog and binary outputs



SICK

Sensor Intelligence.

794-3395 500mm MPN: LFP0500-G1NMB **\$1,487.70**
794-3399 1000mm MPN: LFP1000-G1NMB **\$1,639.80**
794-3409 2000mm MPN: LFP2000-G1NMB **\$1,362.00**

Osisense Inductive Sensors

- Twice nominal sensing distance
- Flush mount
- Fast switching frequency



Telemecanique Sensors

444-3287 PNP, 62mm Length, 12 - 48 V dc MPN: XS618B1PAL2 **\$117.43**
444-3293 PNP, 74mm Length, 12 - 48 V dc MPN: XS618B1PAM12 **\$117.43**
444-3344 NO, 62mm Length, 24 - 240 V ac/dc MPN: XS618B1MAL2 **\$175.84**
609-7369 NC, 62mm Length, 24 - 240 V ac/dc MPN: XS618B1MBL2 **\$234.85**

PBS Pressure Sensor with Digital Display

- Robust and compact design
- Rotatable housing for flexible installation
- Standard configuration of two switching outputs (PNP or NPN)



SICK

736-1488 0-100Bar, 1xPNP + 4-20MA MPN: PBS-RB100SG-1SSNBMA0Z **\$523.45**

Osiris XUB Osiconcept photo-electric sensors

- Four modes of detection in one unit
- Easy set-up at the touch of a button
- Self teach precise set-up 'multi-mode detection



Telemecanique Sensors

444-3401 4-Pin M12 Connector MPN: XUBOAPSNM12 **\$199.65**
444-3394 Pre-cabled Connection MPN: XUBOAPSNL2 **\$199.65**

PAT150-AU Portable Appliance Tester

- Tough, rubber armoured case with built-in front cover, hardened, scratch-proof display window
- Battery powered with simple tick or cross, pass or fail indication plus measurement
- 10mA & 30mA Portable RCD Testing


Megger.
823-0420 PAT 150-AU Portable Appliance Tester

MPN: 1003-077

\$1,086.00
MFT1815 Multifunction Installation Tester

- Combined RCD, Insulation, Loop Impedance tester and more for electrical installation testing
- 2 wire & 3 wire non trip loop testing for RCD protected circuits complete with auto start test function
- CATIV safety rating with a tough IP54 case and calibration certificate included


Megger.
901-1321 MFT1815 Multifunction Tester

MPN: MFT1815-AU

\$1,883.20
RCDT320 RCD Tester

- Tests 10mA, 30mA, 100mA, 300mA, 500mA & 1A rated RCDs with auto sequence test
- Tough rubber armoured case and backlit display, ideal for low light environments
- Ramp Test measures & displays the actual trip current of an RCD. Ideal for diagnosing nuisance tripping of RCDs


Megger.
163-974 RCDT 320 RCD Tester

MPN: RCDT320 AU

\$999.90
MIT400/2 1KV Industrial Insulation Tester

- 250/500/1000V Insulation Tester with a large display providing the unique combination of two digital readouts and an analogue arc
- Rubber over moulding provides a tough shock absorbing outer protection with excellent grip, on a strong modified ABS housing
- CATIV 600V safety rating with carry case and calibration certificate included


Megger.
921-4508 MIT400/2 Insulation Tester

MPN: MIT400/2

\$746.00
MIT310 1KV Digital Insulation Tester

- 250/500/1000V Insulation Tester with a large display including highly responsive analogue arc
- Tough rubber armoured case with self-contained display cover that locks away underneath the instrument during use
- Live voltage warning – alerts the operator when a circuit voltage over 25 V exists


Megger.
516-7697 MIT310 1KV Digital Insulation Tester

MPN: MIT310

\$781.00
PAT420 Portable Appliance Tester Kit

- The Megger PAT420 kit is perfect for those who want to be able to produce their own PAT labels when out in the field
- Advanced Portable Appliance Tester with programmable test settings, 10,000 item database, and USB connectivity
- Kit includes Portable appliance tester, Zebra Label Printer, 500 Labels + Ribbon and Barcode scanner


Megger.
862-1598 PAT420 Portable Appliance Tester Kit

MPN: PAT420-KIT

\$4,649.70

Disposable MOB Caps

- 100% Polypropylene
- Pleated
- Maximum head coverage



918-6083 One Size (Bag of 500)

\$21.60

Disposable Shoe Cover

- Multi-purpose
- Multi-environments, ideal for the food industry
- Prevents cross contamination



918-6096 One Size, Blue (Bag of 500)

\$29.81

PAL White Tissue Disposable Face Mask

- One size
- A white lightweight two-ply tissue mask secured with soft elastic.
- For use in food manufacturing, pharmaceuticals, electronics and in many other industrial applications



229-0621 One Size, White (Box of 100)

MPN: N491100N

\$15.38

SILIUM+ Safety Spectacles

- Ultra lightweight frame
- Non-slip bridge
- Straight, highly flexible ergonomic temples



847-7574 Anti-Mist, Clear

MPN: SILPPSI

\$26.92

Class 100 Cleanroom Dust Free Hairnet

- This natural coloured disposable hairnet is made of high-tech non-woven microfibers
- With its own electric field and permanent charge the hairnet attracts and catches microscopic dust; it is also air permeable and cool
- For use in food manufacturing, pharmaceuticals, electronics and in many other industrial applications



241-7999 One Size, White (Bag of 100)

\$25.88

Virtua AP Safety Glasses

- Unisex styling
- A selection of "task-specific" lens tints
- Comfortable, lightweight frame - weight less than 1 oz



740-1453 Clear Lens

MPN: 71512-00000

\$5.56

For up to date pricing & offers visit nz.rs-online.com today!

RS Pro 28 L Chemical Spill Kit

- Ideal for a rapid response to chemical spills or leaks
- Designed for single use application
- Includes 1 x Bag and Ties, 2 x 1.2 m Socks, 20 x Pads



771-6478 28 L Chemical Spill Kit

\$63.26

Electrician Lockout Kit

- Portable electrical department lockout/tagout kit
- All the basic lockout for locking out breakers, electrical plugs, wall switches, MCB's, fuses, etc
- Comprises of around 27 different products



862-5244 Lockout Kit

\$514.63

Skipper Retractable 9metre Tape Unit

- Robust and durable – suitable for exterior as well as interior use
- Light-weight, compact and easy to store
- Features built-in locking button to prevent unwanted spooling of tape



885-3571 Black, Yellow

MPN: Skipper01-O B/Y

\$148.28

885-3666 Red, White

MPN: Skipper01-O R/W

\$148.28

Optime II Ear Defenders

- Attractive, modern and stylish design with slim-line cups
- Large cup space increases comfort by reducing heat and moisture build-up
- Soft, wide cushions reduce pressure from around the ears with liquid sealing rings for improved comfort



449-6483 31dB

MPN: H520A-407

\$47.23

Skipper Post and Base System

- This Skipper Post forms part of a versatile and highly-visible solution to cordon off any area as required
- This Post is part the Skipper Post and Base system and is designed for use with Skipper Retractable Tape Units, which simply click onto the top of this post



885-3587 Orange Post

MPN: Post01-O

\$87.78

885-3584 Red Post

MPN: Post01-R

\$87.78

885-3593 Black Base

MPN: Post02

\$49.82

Ambersil Wet Wipes

- Cleaner and towel together in one convenient wipe
- Hands dry without stickiness normally associated with waterless cleaners
- No contamination from heavy perfumes



362-092 30 Pack

MPN: 31645-AA

\$15.30

