



Design & Automate

HELPING DESIGNERS
AND MACHINE BUILDERS
SHAPE THE FUTURE



DESIGN & AUTOMATE

Machine building is a competitive sector, one which is becoming increasingly globalised as the world embraces the concept of automation. Over the last couple of decades, the machine and equipment build industry has changed beyond recognition.

This change has been driven by both new technology and increasingly complex end customer demands, however the challenges the sector faces remain similar. The need to design and innovate, find new products and stay ahead of your competition. The need to have a responsive supply chain and to spend less time purchasing components and more time designing & building. And of course, identifying opportunities to manage costs without compromising performance or reliability of the end product.

RS have been supplying the equipment build market for over half a century. In that time, we've seen the creation and mass adoption of the PLC, Ethernet move from the IT world into the industrial control panel and the gradual replacement of the pushbutton by the multi-function HMI. We want to be the first choice for automation designers, machine builders and equipment makers and in this guide, we've highlighted examples of brands, tools and services which we believe can help you design & automate the future.

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ALTIVAR ATV320 Machine Drive

- Designed to meet the demands from OE Manufacturers using with 3 Phase motors from 0.18 to 15kW
- Replaces the ATV32 and ATV312 drives, and has embedded Modbus & CANopen comms with optional Ethernet to allow greater levels of integration
- Offers as standard STO (Safe Torque Off), SS1 (Safe Stop 1), SLS (Safely Limited Speed), SMS (Safe Maximum Speed), and GDL (Guard Door Locking) for enhanced machinery safety



125-3233	0,18KW 1ph 200-240Vac input	R 6 083.39
125-3235	0,37KW 1ph 200-240Vac input	R 6 525.84
125-3239	0,55KW 1ph 200-240Vac input	R 7 109.13
125-3243	0,75KW 1ph 200-240Vac input	R 7 560.66
125-3247	1,1KW 1ph 200-240Vac input	R 8 797.62
125-3251	1,5KW 1ph 200-240Vac input	R 9 447.77
125-3255	2,2KW 1ph 200-240Vac input	R 11 885.66

TeSys D Green Contactors

- The TeSys D range now has AC/DC coils (energized with either AC or DC), lower energy usage and keeps the same dimensions are the original TeSys D range
- Low control current allows direct PLC control for contactors up to 80A
- Dual AC/DC coils reduces the amount of spares or components you need to keep in stock



135-3940	9A 3P 24-60VAC/DC - LC1D09BNE	R1 328.85
135-3942	9A 3P 100-250VAC/DC - LC1D09KUE	R1 328.85
135-3943	12A 3P 24-60VAC/DC - LC1D12BNE	R1 496.64
135-3945	12A 3P 100-250VAC/DC - LC1D12KUE	R1 496.64
135-3946	18A 3P 24-60VAC/DC - LC1D18BNE	R1 972.84
135-3948	18A 3P 100-250VAC/DC - LC1D18KUE	R1 972.84
135-3949	25A 3P 24-60VAC/DC - LC1D25BNE	R2 755.18
135-3951	25A 3P 100-250VAC/DC - LC1D25KUE	R2 755.18
135-3952	32A 3P 24-60VAC/DC - LC1D32BNE	R4 027.32
135-3954	32A 3P 100-250VAC/DC - LC1D32KUE	R4 027.32
135-3955	38A 3P 24-60VAC/DC - LC1D38BNE	R4 918.49
135-3957	38A 3P 100-250VAC/DC - LC1D38KUE	R4 918.49
135-3959	40A 3P 24-60VAC/DC - LC1D40ABNE	R5 533.04
135-3961	40A 3P 100-250VAC/DC - LC1D40AKUE	R5 533.04

See website for full terms & conditions.
Pricing displayed includes VAT.
Pricing and stock availability is subject to change, check website for updates.

Modicon M262 Motion & Logic Controller

- An IIoT ready motion & logic controller offering class leading connectivity and 3-5ns/Inst processing performance
- Each controller has 4x high speed inputs & digital outputs with motion control versions featuring an Incremental/SSI encoder input, all expandable with Modicon TM3 I/O modules
- 4 ethernet ports acting as a hub including: 2 x Gigabit and 1 x 100Mbps both with Ethernet/IP and Modbus TCP



201-1450	TM262L10MESE8T - 5ns/inst - Logic	R 20 647.61
201-1448	TM262L20MESE8T - 3ns/inst - Logic	R 32 945.74
201-1476	TM262M15MESS8T - 5 ns/inst - 4 axis motion	R 34 791.17
201-1491	TM262M25MESS8T - 3 ns/inst - 8 axis motion	R 47 091.80
201-1461	TM262M35MESS8T - 3 ns/inst - 16 axis motion	R 53 452.37

3-Phase Monitoring Relay with NFC

- A 3 phase monitoring relay with configuration via FREE Zelio NFC Android App
- Monitors phase asymmetry, phase failure, undervoltage, overvoltage, over & under frequency
- 2 C/O outputs with adjustable on/off delay & voltages thresholds



179-0019	RMNF22TB30 (120-480Vac)	R2 470.95
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Multifunction Timer Relay with NFC

- A timer relay configured via NFC (near field communication) technology available current Android smartphones
- Using the FREE Zelio NFC App the timer can be configured or adjusted precisely, without opening the panel
- Offers 28 functions, 22.5mm profile and DPDT 8A relay output



914-5070	RENF22R2MMW (24-240Vac/dc)	R2 148.14
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Q2V Inverter Drives

- A compact AC inverter drive that combines easy operation with high-efficiency control and ease of integration
- Built-in EMC filter and the STO (Safe Torque Off) safety function and PID as standard
- Intelligent application wizard for quick set-up with ModBus / RS-485 comms as standard with options for CANopen, DeviceNet, Ethernet/IP, EtherCAT & PROFIBUS



194-3171	0.37kW - Single Phase in	R 7 685.93
194-3173	0.75kW - Single Phase in	R 8 097.29
194-3174	1.1kW - Single Phase in	R 9 538.49
194-3175	2.2kW - Single Phase in	R 11 143.27
194-3176	3kW - Single Phase in	R 13 208.61
194-3161	0.37kW - 3 phase in	R 10 360.26
194-3162	0.75kW - 3 phase in	R 11 787.59
194-3163	1.5kW - 3 phase in	R 13 048.71
194-3164	2.2kW - 3 phase in	R 14 621.65
194-3165	3.0kW - 3 phase in	R 16 253.62
194-3167	4.0kW - 3 phase in	R 17 010.87
194-3168	5.5kW - 3 phase in	R 20 291.27

CP2E Compact PLCs

- A Micro PLC for compact equipment where Price/ Performance ratio is a key, while supporting data collection and Machine-2-Machine communication
- 'E' entry level models offer optional serial or Ethernet comms, while 'N' level offer integrated Ethernet ½ ports
- 'N' & 'S' level both have options for 2 or 4 axis positioning control with linear interpolation - ideal for pick/place and packaging machinery



OMRON

196-3743	CP2E-E14DR-A 8 in, 6 out relay	R 5 015.21
196-3745	CP2E-E20DR-A 12 in , 8 out relay	R 5 356.93
196-3746	CP2E-E30DR-A 18 in, 12 out relay	R 7 329.32
196-3747	CP2E-E40DR-A 24 in, 16 out relay	R 8 453.30
196-3727	CP2E-N20DR-D 12 in, 8 out relay	R 8 387.02
196-3728	CP2E-N30DR-D 18 in, 12 out relay	R 10 133.52
196-3726	CP2E-N40DR-A 24 in, 16 out relay	R 13 292.94

S8VK-G DIN Power Supplies

- The S8VK-G offers 15W up to 480W, in a very compact size - up to 13% smaller than comparable power supplies
- Wide operating range (-40 to +70oC) and high efficiency (90%) to reduce energy consumption
- Full range of out outputs voltages from 5Vdc to 48Vdc available from stock



776-9481	S8VK-G01524 24Vdc, 650mA	R 1 162.56
776-9497	S8VK-G03024 24Vdc, 1.3A	R 1 436.50
776-9494	S8VK-G06024 24Vdc, 2.5A	R 1 740.95
776-9504	S8VK-G12024 24Vdc, 5A	R 2 522.52
776-9507	S8VK-G24024 24Vdc, 10A	R 4 106.78
776-9472	S8VK-G01512 12Vdc 1.2A	R 1 163.15
776-9488	S8VK-G03012 12Vdc 2.5A	R 1 438.07
776-9490	S8VK-G06012 12Vdc 4.5A	R 1 739.58

NB Series Touch Screen HMI

- A feature-rich, cost-effective touch HMI which uses FREE NB-Designer software to build your HMI application
- 65,000+ display colours TFT touch screen with long-life LED backlight
- Serial, USB or Ethernet communication, 128Mb internal memory and USB memory stick support (TW01 model only)



821-1788	3.5" NB3Q-TW00B	R 10 580.96
821-1797	3.5" NB3Q-TW01B	R 13 224.73
821-1790	5.6" NB5Q-TW00B	R 14 500.60
821-1794	5.6" NB5Q-TW01B	R 17 172.33
821-1804	7" NB7W-TW00B	R 20 111.77
821-1807	7" NB7W-TW01B	R 24 183.75

TRIO DIN Power Supplies

- Compact, high reliability DIN rail power supplies for industrial control & automation use
- Options available with 12Vdc, 24Vdc & 48Vdc outputs and 1 & 3-phase inputs from 60W-960W
- Adjustable DC output and LED status indication



883-7374	24Vdc, 3A, 85 → 264Vac 1ph input	R 1 546.08
883-7352	24Vdc, 5A, 85 → 264Vac 1ph input	R 1 808.56
883-7361	24Vdc, 10A, 85 → 264Vac 1ph input	R 3 651.66
883-7364	24Vdc, 20A, 85 → 264Vac 1ph input	R 5 487.28
134-9905	24Vdc, 40A, 400 → 500Vac 3ph input	R 9 496.83

Uninterruptible Power Supplies

- Basic UPS modules with either a self contained backup battery or supported by remotely connected lead AGM batteries
- Simple to use, no configuration and can quickly add supply resilience to a control system



665-7851	12Vdc 4A UPS unit	R 6 891.75
168-2508	24Vdc 60W Self-contained UPS	R 7 152.30
180-5490	24Vdc 10A UPS unit	R 11 987.85
665-7854	24Vdc 2A UPS unit	R 6 834.81

PTFIX Distribution Blocks

- Distribution blocks using time-saving, tool-free push-in direct connection technology
- Compact design enables space savings of up to 50% as well as simpler wiring
- Available with 6, 12, and 18 terminal points, with various mounting options, and eleven colours for clear, intuitive, and safe installation - DIN rail options listed



136-3231	6X2,5-NS35 Grey	R 365.70
136-3232	12X2,5-NS35 Grey	R 551.54
136-3233	18X2,5-NS35 Grey	R 1 876.06
136-3240	6/6X2,5-NS35 Grey	R 441.03
136-3241	6/12X2,5-NS35 Grey	R 665.71
136-3242	6/18X2,5-NS35 Grey	R 958.09

DIN Mount Patch Panels

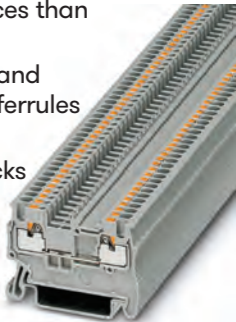
- DIN rail mounting RJ-45 patch panels suitable for 10/100/1000 Mbps data usage, available with and without surge protection
- Suitable for use with Profinet & Modbus TCP automation networks as well as Ethernet



175-6031	2 × RJ-45	R 1 165.57
175-6032	1 × RJ-45 to screw terminals	R 1 229.43
175-6033	1 × RJ-45 to push terminals	R 1 284.31
175-6034	1 × RJ-45 to IDC terminals	R 1 284.31
175-6035	2 × RJ-45, surge protected	R 3 306.53
175-6036	1 × RJ-45 to screw terminals, surge protected	R 3 344.46
175-6037	1 × RJ-45 to push terminals, surge protected	R 3 375.83

PT Series DIN Rail Terminals

- Compact terminals providing easy, direct conductor connection with up to 50% lower insertion forces than a PT push-in connection
- Suitable for use with solid and stranded conductors with ferrules of 0.34mm² and upwards
- Priced and supplied in packs



687-9414	PT 2.5 (pack of 10)	R 437.05
687-9417	PT 2.5 BU (pack of 10)	R 197.11
687-9411	PT 2.5-PE (pack of 10)	R 635.95
458-0897	D-ST 4 (pack of 5)	R 52.27
708-1683	PT 4-HESI (5X20) (pack of 5)	R 64.84
687-9638	PTTB 2,5 (pack of 10)	R 554.76
750-8472	PT 1.5/S (pack of 5)	R 92.69
201-6105	PT 1.5/S BU (pack of 50)	R 831.08
750-8501	PT 1.5/S-PE (pack of 5)	R 349.49
750-8453	D-PT 1.5/S (pack of 5)	R 54.17
388-4637	D-ST 2.5 (pack of 5)	R 25.30
708-1633	PT 4 (pack of 5)	R 92.69
708-1637	(pack of 5)	R 117.24
708-1646	PT 4-PE (pack of 5)	R 412.56
627-3383	CLIPFIX 35-5 (pack of 5)	R 77.74
687-9528	PT 2,5-MT (pack of 10)	R 593.75

Compact E-Stop with Big Impact

- 30mm head with optional 360° illuminated ring ensures improved visibility and increased safety of the machines and processes
- Due to its modularity, the small E-Stop is flexible and easy to integrate into any design
- Supplied as actuator only, uses M22-(C)K01 contact blocks



202-0424	22mm mount, Pull to Reset	R 476.53
202-0425	22mm mount, Turn to Reset	R 450.38
202-0426	22mm mount, Pull to Reset - LED Illuminated	R 530.00
202-0428	30mm mount, Pull to Reset	R 476.53
202-0429	30mm mount, Turn to Reset	R 450.38
202-0430	30mm mount, Pull to Reset - LED Illuminated	R 528.82

RMQ Flat enclosures

- RMQ Flat Enclosures can be quickly installed anywhere, whether it's a flat surface or a mounting rail
- Compatibility with virtually all elements from the RMQ-Titan range – e-stops, pushbuttons, indicator lights, selector or key switches
- M22-FIY1 Yellow is perfect for mounting E-stops on Aluminium profile



181-7668	22mm, M22-FIY1, one gang, yellow	R 420.33
181-7669	22mm, M22-FI2, two gang, grey	R 494.40
181-7670	22mm, M22-FI3, three gang, grey	R 550.66
181-7672	30mm, M30-FI1, one gang, grey	R 382.72
181-7673	30mm, M30-FI2, two gang, grey	R 493.81
181-7674	30mm, M30-FI3, three gang, grey	R 549.88

Foot and Palm Switches

- The large, heavy-duty switches which can be actuated by hand, fist, elbow, or foot, ensuring that quick action can be taken
- Shock resistant and sealed to IP67, IP69K - ideal for rugged applications



225-8172	FAK-R/V/KC11/IY - Red/Yellow - NC/NO	
225-8166	FAK-R/KC11/I - Red/Grey - NO/NC	R 2 384.42
110-4561	FAK-R/V/KC01/IY - Red/Yellow - NC	R 2 230.09
110-4566	FAK-R/V/KC02/IY - Red/Yellow - 2xNC	R 2 347.59
110-4562	FAK-R/V/Y - Replacement upper Red/Yellow	R 1 613.24

RMQ Flat Design Pushbuttons

- RMQ flat front devices offer a attractive, sleek design and are fully compatible with RMQ-Titan M22 modular components
- The mounting system automatically adapts to the sheet metal thickness being used and are available with an anti-rotation tab option



136-5521	M30C-FDL-B - Blue	R 428.13
136-5523	M30C-FDL-G - Green	R 428.13
136-5518	M30C-FDL-G-X1 - Green with 'I'	R 451.89
136-5524	M30C-FDL-R - Red	R 428.33
136-5519	M30C-FDL-R-X0 - Red with 'O'	R 452.09
136-5525	M30C-FDL-W - White	R 428.13

RMQ Flat LED elements

- Rear mount LED elements available in dual-colour elements (RG) and multi-colour elements (RGB) as well as standard colours
- RGB module allows seven different colours on a single pushbutton, all adjustable to your specific needs



124-5197	M22-FLED-RG - Red/Green	R 336.46
124-5198	M22-FLED-RGB - Full RGB	R 454.90
124-5194	M22-FLED-B - Blue	R 222.84
124-5195	M22-FLED-G - Green	R 222.84
124-5196	M22-FLED-R - Red	R 222.84
124-5193	M22-FLED-W - White	R 221.26

Logo! 8 Micro Controller

- The current Logo! 8 now offers Ethernet connectivity, more programming power and functionality, while backward compatible with Logo! 6 & 7
- All modules are equipped with an integrated Web Server for monitoring and control via the Ethernet/Internet; easy to configure, no HTML programming knowledge required
- Full range of analogue and digital extension modules available from stock



LOCALLY STOCKED

SIEMENS

165-3224	230RCE with display - 6ED1052-1FB08-0BA0	R 3 168.03
165-3226	12/24RCE w. display - 6ED1052-1MD08-0BA0	R 3 088.49
165-3230	12/24RCEO - 6ED1052-2MD08-0BA0	R 2 474.02
165-3225	24RCE with display - 6ED1052-1HB08-0BA0	R 3 086.21
165-3229	24RCEO w/o display - 6ED1052-2HB08-0BA0	R 2 476.09
165-3228	230RCEO w/o display - 6ED1052-2FB08-0BA0	R 2 556.24
165-3227	24CEO w/o display - 6ED1052-2CC08-0BA0	R 2 387.86

Micro810™ Logic Controller

- Micro810 controller is an economical logic controller programmable via FREE to use Connected Components Workbench™ (CCW)
- 8 Input (4 digital, 4 analog/digital, configurable) & 4 Output - Relay or SSR options
- DC models allow 4 inputs to function as 4 0 → 10V analog inputs

Allen-Bradley

750-8602	24Vdc, 0-10V, 4 × Relay	R 2 299.93
750-8605	120/240Vac, 4 × Relay	R 2 301.59
750-8609	24Vdc, 0-10V, 4 × SSR	R 2 297.45
750-8668	USB programming port adapter	R 716.28
750-8661	Optional 1.5" local LCD	R 1 028.32



Pro-Face 4000 Series HMIs

- GP4000 series colour touch-screen HMIs with screen sizes from 3.5" to 12.1" and fully compatible with all major PLC brands
- Programmed via the GP-Pro EZ HMI Screen Editor & Logic Development Software
- A complete range of interface cables for common PLC CPUs is available from stock



Pro-face by Schneider Electric

144-4974	3.5 in, 320 × 240pixels, RS-232/422/485	R 9 681.11
144-4972	4.3 in, 480 × 272pixels, RS-232	R 6 763.38
144-4973	4.3 in, 480 × 272pixels, RS-422/485	R 6 789.67
144-4971	4.3 in, 480 × 272pixels, Ethernet	R 6 763.38
144-4975	5.7 in, 320 × 240pixels, Ethernet, RS-422/485	R 18 032.32
144-4997	Software For Use With HMI GP 4000 Series	R 13 801.29

Modicon M221 PLC

- Powered by FREE SoMachine Basic software, allowing easy migration from Twido range of PLCs with reduced investment
- Powerful, flexible and with the option of embedded Ethernet connectivity
- Starter Kit contains 16 I/O 24Vdc controller with Ethernet, 5.7" HMI STU855, PSU, and cables



LOCALLY STOCKED

806-6840	TM221C16R - 9 x in, 2 x 0-10v in, 7 Relay o/p	R 8 750.12
806-6843	TM221C16T - 9 x in, 2 x 0-10v in, 7 Trans. o/p	R 8 750.12
806-6831	TM221CE16T - 9 x in, 2 x 0-10v in, 7 Trans. o/p + Ethernet	R 9 917.60
806-6837	TM221CE16R - 9 x in, 2 x 0-10v in, 7 Relay o/p + Ethernet	R 9 917.60

INNOLINE PCB Mount Switching Regulator - R-78 Series

- INNOLINE R-78 series 500mA through-hole PCB mounting switching regulators with short circuit protection
- Wide choice of input voltage ranges and outputs available in single units
- Manufacturer standard tube quantities available from stock



757-7239	5Vdc out, 7-28Vdc input	R 103.17
532-8038	1.8Vdc out, 4.75-32Vdc input	R 142.73
532-8044	3.3Vdc out, 4.75-32Vdc input	R 142.11
532-8050	5Vdc out, 6.5-32Vdc input	R 249.53
416-874	5Vdc out, 9-72Vdc input	R 257.20
672-7089	6.5Vdc out, 8-32Vdc input	R 132.86
532-8066	9Vdc out, 11-32Vdc input	R 158.39
532-8072	12Vdc out, 15-32Vdc input	R 158.39
672-7098	15Vdc out, 18-32Vdc input	R 156.94

RPM Series DC-DC Converters

- Switching regulator modules with adjustable output, sequencing, soft-start control, on/off control, and power good signals
- Ultra-compact module has a profile of only 3.75mm, but with an efficiency of up to 99%
- 6-sided shielding for optimal EMC performance and excellent heat management under full load



183-4372	1A @ 5V [0.9-6V adj], 3-17V in	R 99.19
183-4369	1A @ 3.3V [0.9-6V adj], 3-17V in	R 99.19
183-4376	2A @ 5V [0.9-6V adj], 3-17V in	R 100.97
183-4374	2A @ 3.3V [0.9-6V adj], 3-17V in	R 100.97
183-4378	3A @ 5V [0.9-6V adj], 3-17V in	R 110.37
183-4382	3A @ 3.3V [0.9-6V adj], 3-17V in	R 110.37
183-4395	6A @ 5V [0.9-6V adj], 4-15V in	R 144.90
183-4388	6A @ 3.3V [0.9-6V adj], 4-15V in	R 144.90

LOCALLY STOCKED

2W Single/Dual Output DC-DC Converter - RS Series

- DC-DC converters with offering high power-density in a SIP-8 package with an industrial application suitable temperature range of -40° to +85°C.
- Additional features include remote on-off control, low noise, 83% efficiency and 1kVdc in-out isolation



473-5205	5Vdc out, 18-36Vdc input	R 322.47
473-5261	±5Vdc out, 18-36Vdc input	R 344.37
473-5851	12Vdc out, 18-36Vdc input	R 330.75
473-5277	±12Vdc out, 18-36Vdc input	R 353.02
672-8965	15Vdc out, 18-36Vdc input	R 298.63
494-3917	±15Vdc out, 18-36Vdc input	R 332.91

RACM550-G Open Frame Power Supply

- An ultra-compact embedded PSU designed to support up to 300 watts of continuous output power without cooling fans
- Highly efficient 3" x 5" baseplate-cooled design with just 38mm total height - 550W peak power or forced air rating
- Household, ITE and medically 2MOPP certified



190-7541	RACM550-24SG/OF - 24Vdc	R 2 440.83
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RLS Line Inductors

- Inductors designed to create perfectly matched EMC power supply filters to meet Class A or Class B EMC limits
- Pre-tested and matched with RECOM converters to pass both conducted and radiated interference limits
- Surface mounting and RoHS2+ compliant



185-5855	RLS-126 - 12μH, 0.8A	R 14.29
185-5864	RLS-397 - 3.9μH, 1.32A	R 14.29
185-5868	RLS-567 - 5.6μH, 1.18A	R 14.29
185-5861	RLS-226 - 22μH, 0.63A	R 14.29
185-5858	RLS-186 - 18μH, 1.89A	R 20.98
185-5871	RLS-686 - 68μH, 0.99A	R 20.98
185-5852	RLS-105 - 100μH, 1.02A	R 28.59

Enclosed AC-DC Power Supplies

- Cost effective dual output AC-DC power supplies with 2 year warranty
- Peak Power available up to 200%, Remote On/Off and Low Leakage Current (<0.5mA)
- EN & UL approved and suitable for industrial, communications and commercial applications



635-2313	5V/12Vdc out, 85W	R 2 389.85
635-2329	5V/12Vdc out, 100W	R 2 389.85
635-2335	5V/12Vdc out, 115W	R 2 592.78
635-2357	5V/12Vdc out, 145W	R 3 391.03
635-2341	5V/24Vdc out, 150W	R 2 592.78
635-2363	5V/24Vdc out, 225W	R 3 391.03
131-1370	5V/36Vdc out, 150W	R 2 951.31

TUHS Encapsulated AC-DC Power Supply

- PCB mount 3-25W compact AC-DC converters with universal input voltage (85-264Vac, 120-370Vdc)
- High efficiency with low standby power and -40 - 85°C operating range
- Class II: No FG connection is necessary



192-7483	5Vdc out, 600mA	R 308.48
829-6381	5Vdc out, 1A	R 335.09
829-6353	5Vdc out, 2A	R 476.47
192-7490	5Vdc out, 5A	R 595.14
192-7484	12Vdc out, 250mA	R 308.48
192-7486	12Vdc out, 450mA	R 318.58
192-7487	12Vdc out, 900mA	R 459.05
130-7965	12Vdc out, 1.25A	R 513.96
829-6363	12Vdc out, 2.1A	R 617.34
192-7485	24Vdc out, 130mA	R 308.48
192-7482	24Vdc out, 220mA	R 327.98
192-7488	24Vdc out, 450mA	R 459.05
130-7966	24Vdc out, 630mA	R 525.99
192-7491	24Vdc out, 1.1A	R 595.14

SUCS 3W DC-DC Converters

- Examples from the SUCS family of SMD DC-DC converters available with output rating of 1.5-10W
- High efficiency with built-in overcurrent protection and remote ON/OFF [SU/SUC 3, 6, 10]
- 5 year warranty with through-hole options available



128-599	4.5 → 9 Vdc in, 5Vdc out - SUCS30505B	R 329.12
128-606	4.5 → 9 Vdc in, 5Vdc out - SUCS30505BP	R 329.12
128-690	9 → 18 Vdc in, 5Vdc out - SUCS31205B	R 329.12
128-707	9 → 18 Vdc in, 5Vdc out - SUCS31205BP	R 329.12
128-713	9 → 18 Vdc in, 12Vdc out - SUCS31212B	R 329.12
128-729	9 → 18 Vdc in, 12Vdc out - SUCS31212BP	R 329.12
128-814	18 → 36 Vdc in, 12Vdc out - SUCS32412B	R 329.12
128-886	18 → 36 Vdc in, 3.3Vdc out - SUCS3243R3BP	R 329.12
128-791	18 → 36 Vdc in, 5Vdc out - SUCS32405B	R 328.88

3" x 5" Medical Power Supply

- 165.3 x 85.2mm standard footprint power supplies rated up to 500W with conduction cooling
- Less than 1U high and with ITE and Medical safety approvals
- Low leakage current



131-1351	12Vdc out, 25A, 300W	R 5 320.50
131-1354	12Vdc out, 37.5A, 450W	R 6 843.87
131-1355	15Vdc out, 33.4A, 501W	R 6 755.93
131-1352	24Vdc out, 12.5A, 300W	R 4 918.61
131-1356	24Vdc out, 21A, 504W	R 6 755.93
131-1353	48Vdc out, 6.3A, 302W	R 5 475.13
131-1357	48Vdc out, 10.5A, 504W	R 6 755.93



QUADRONORM Inductive Sensors

LOCALLY STOCKED

- Configurable to either NPN or PNP switching with NO or NC operation
- Setting LED to indicate optimum sensing range
- Sensing range quoted is with mild steel



335-6227	Flush sensor, M18 8mm	R 1 346.74
335-6205	Flush sensor, M12 4mm	R 1 611.68
335-6233	Flush sensor, M30 15mm	R 1 465.05
335-6479	Non-flush sensor, M12 7mm	R 1 612.92
335-6485	Non-flush sensor, M18 12mm	R 1 348.93
335-6491	Non-flush sensor, M30 22mm	R 1 459.55

Thru-Beam Fork Sensors

- High precision photoelectric sensors ideal for smaller object detection
- Adjustable sensitivity control
- Reversible switching (PNP NO / NC)
- 10 → 30 VDC supply voltage



418-5234	PNP 10mm	R 3 191.53
418-4922	PNP 120mm	R 5 056.91
418-5256	PNP 20mm	R 3 484.66
418-5262	PNP 30mm	R 3 820.46
418-5278	PNP 50mm	R 4 271.54
418-5228	PNP 5mm	R 3 034.33
418-5284	PNP 80mm	R 3 998.39

E3S-DB Transparent Object Sensor

- Delivers reliable detection of all kinds of transparent objects such as PET bottles, glass bottles or transparent trays
- Choice of Smart Teach enabling fast set up or trimmer sensitivity adjustment
- Proven for use in environments found the Food & Beverage and Pharmaceutical industries



831-5971	0.7m, PNP, M12, smart Teach	R 3 043.41
831-5969	4.5m, PNP, M12, smart Teach	R 3 044.20
831-5975	0.7m, PNP, M12, trimmer Adj.	R 2 610.44
831-5978	4.5m, PNP, M12, trimmer Adj.	R 2 610.83

M18 Photoelectric Sensors

LOCALLY STOCKED

- Nickel plated brass body with IP67 sealing
- 10-30Vdc supply with LED output indication
- Retro-reflective sensors supplied with reflector



729-5117	PNP Retro, 2m cable	R 1 221.45
729-5090	NPN Diffuse M12 conn.	R 1 423.52
729-5094	NPN Diffuse 2m cable	R 1 391.88
729-5101	NPN Retro M12 conn.	R 1 426.27
729-5104	PNP Diffuse M12 conn.	R 1 347.85
729-5107	PNP Diffuse 2m cable	R 1 432.56
729-5110	NPN Retro 2m cable	R 1 412.27
729-5113	PNP Retro M12 conn.	R 1 412.94

Inductive Sensors - M12

- LED status display
- Plastic body
- Operating temperature range -25° → +70°C
- Reverse polarity and short circuit protection (dc types only)



123-8636	(2m cable)	R 1 224.61
123-8637	(5m cable)	R 1 409.27



LOCALLY STOCKED All highlighted items on this page are now stocked locally and can be delivered within 24 hours to major cities and 48 hours to other areas in South Africa.

Industrial Sensing

Many industrial machines and processes require reliable, precise, durable control inputs provided by sensors or switches located within the equipment.

Often applications expose these sensing components to 24/365 operation, harsh environments and sustained movement or vibration. Honeywell prides itself on providing switches and sensors which can deal with the conditions, while providing dependable performance.

Packaging Equipment



Packaging equipment is used in all type of conditions. They must be able to perform in harsh, temperature-varying environments with high level shock, force and vibration.



Industrial Limit Switches – GLS, 14CE, NGC Series
Are used to detect if packages are filled to their desired weight. When the package reaches the desired weight, the limit switch will activate and signal to the controller that the package is full. Can be used to sense the roll of shrink wraps and indicate when empty. May also be used to indicate door position.



MICRO SWITCH Cable-Pull Safety Switches – 2CCP, CPS Series
Performs perimeter guarding around the work cell to provide emergency stop protection.



MICRO SWITCH Basic Switches – BZ, V15 Series
Can be used to count packages as they pass on conveyors.



Board Mount Pressure Sensors – ABP, ABP2.0, MPR Series
Are used to monitor pneumatic pressures to ensure the system is at specified operating level.



Back-biased Hall-effect Sensors – VG481V1 Series
Can be used to detect the speed of a ferrous gear-tooth target wheel or a ferrous disk with a hole pattern. Often used to determine position and control fan.

Conveyors



Factories, warehouses, and distribution centres often encounter temperature variations due to the number of machines running and the weather conditions outside. Equipment must adjust for these temperature variations to maintain safe and efficient operations.



MICRO SWITCH Safety Switches – 2CCP, CPS, CLSX Series
Are used to provide required emergency stop signalling along the conveyor line for personal safety protection.



Industrial Limit Switches – GLS, 14CE Series
Reliably indicate position for system controls. These signals can be used to control the belts on/off status. They can also be used for counting of items passing by on the conveyor.



Hazardous Location Limit Switches – BX, GSX Series
Are used to send an electrical signal to indicate position of equipment and material. Frequently used to indicate "door plugged".



Optical Scan Engines – N670X Series
With software, they automatically identify, read and transmit the barcode information of goods on the conveyor.



Magnetic Position Sensor ICs – SS360N, SS460S
Used for non-contact sensing of motor/fan control, position sensing, linear and angular displacement and speed sensing for moving parts



Heavy-Duty Pressure Transducers – MIP, PX3 Series
Control the direction of the packages coming down of the conveyor



Efficiently solving design problems with DesignSpark Mechanical v5.0

DesignSpark Mechanical software has just been upgraded to DSM v5.0

with a host of features that improve usability and design efficiency:

- User customisable shortcuts
- Custom rendering
- Flythrough display
- Improved sketching with equations and a 2D constraint-based mode
- Mass properties that better supports calculations for 3D printing

Engineers looking for extended features such as import & export of IGES format files, support for STEP files, GD&T annotations, customised drawing sheets, perspective modification on 2D drawings from 3D objects are supported too. Drawing and Exchange add-on packages add just the features you need and can be purchased individually, or as a bundle.

Download DSM v5 for free

Explore the extended features of DSM add-ons

DESIGNSPARK

Your go-to design engineering platform

www.rs-online.com/designspark/home



ControlMaster Controllers & Indicators

- Panel mount 1/8, 1/4 and 1/2 DIN process controllers that are more intuitive, easier to operate and feature packed
- Offering a full-colour TFT display giving a crystal clear view of the process with IP66 facia sealing
- Suitable for basic to demanding applications, PID functionality includes cascade, feed forward, adaptive, predictive and ratio control strategies



736-2829	Indicator, CM15, 96x48, 100→240Vac	R 8 412.22
736-2838	Controller, CM10, 48x96, 100→240Vac	R 9 129.34
736-2831	Controller, CM30, 96x96, 100→240Vac	R 14 434.11
736-2835	Controller, CM50, 76x144, 100→240Vac	R 18 756.14

OT Series DIN Rail Mount Disconnectors

- Non-fused disconnectors suitable for a wide range of applications including motor control centres, switchboards and mains switches in various equipment and machines
- Fits onto a standard 35mm DIN rail or direct to base plate - 6mm shaft for extension



686-7256	3P 16A - OT16F3	R 476.20
686-7269	3P 25A - OT25F3	R 530.58
686-7266	3P 40A - OT40F3	R 598.76
686-7278	3P 63A - OT63F3	R 888.93
686-7281	3P 80A - OT80F3	R 936.99
686-7288	3P 100A - OT100F3	R 1 602.40
686-7301	Yellow/Red, Padlock, Door IP54 OT16-125 - OHYS3AH	R 169.12
686-7307	Black, Padlock, Door IP54 OT16-125 - OHBS3AH	R 169.12
686-7363	Black Pistol Handle, OT63-250 - OHB65J6	R 570.52
727-1511	Shaft 6mm x 180mm, OT16-125 - OXS6X180	R 117.36

CONTROL & AUTOMATION



AF Series Contactors

- Designed to increase operational uptime and reduce parts inventory for both machine builders and maintainers
- The electronically controlled coil offers benefits over conventional alternatives including wider operating range, AC & DC operation and lower current consumption
- Built-in suppression with connection sets and interlock unit for reversing and star-delta starting are available - 3 pole variants listed



711-6118	4kW 100-250V AC/DC NO	R 812.74
711-6240	4kW 12-20DC NO	R 1 568.93
711-6073	4kW 24-60AC 20-60DC NO	R 1 571.68
711-6130	4kW 250-500V AC/DC NO	R 818.25
711-6244	5.5kW 12-20DC NO	R 1 653.97
711-6076	5.5kW 24-60AC20-60DC NO	R 1 653.97
711-6111	5.5kW 100-250VAC/DC NO	R 974.25
711-6133	5.5kW 250-500VAC/DC NO	R 978.18
711-6070	7.5kW 24-60AC20-60DC NO	R 2 141.74
711-6115	7.5kW 100-250VAC/DC NO	R 1 265.16
711-6137	7.5kW 250-500VAC/DC NO	R 1 267.91

ACS310 General Purpose Drives

- General use inverter drives perfect for variable torque applications, such as pumps and centrifugal fans - available in single phase (up to 2.2kW) and 3 phase (up to 22kW) from stock
- Built-in pump and fan features such as multi-pump control and pipe clean vary the drive's performance in response to changes in pressure, flow or other external data
- Embedded Modbus EIA-485 interface



751-8810	1ph, 230Vac, 0.75kW	R 4 314.55
751-8814	1ph, 230Vac, 1.1kW	R 4 984.93
751-8823	1ph, 230Vac, 1.5kW	R 5 554.55
751-8826	1ph, 230Vac, 2.2kW	R 6 646.90
705-4776	3ph, 400Vac, 0.75kW	R 6 012.19
705-4770	3ph, 400Vac, 1.1kW	R 6 632.76
705-4789	3ph, 400Vac, 1.5kW	R 8 494.26
705-4782	3ph, 400Vac, 2.2kW	R 9 340.56
705-4786	3ph, 400Vac, 3.0kW	R 11 851.07
705-4795	3ph, 400Vac, 4.0kW	R 13 402.27
705-4798	3ph, 400Vac, 5.5kW	R 15 787.58

LOCALLY STOCKED

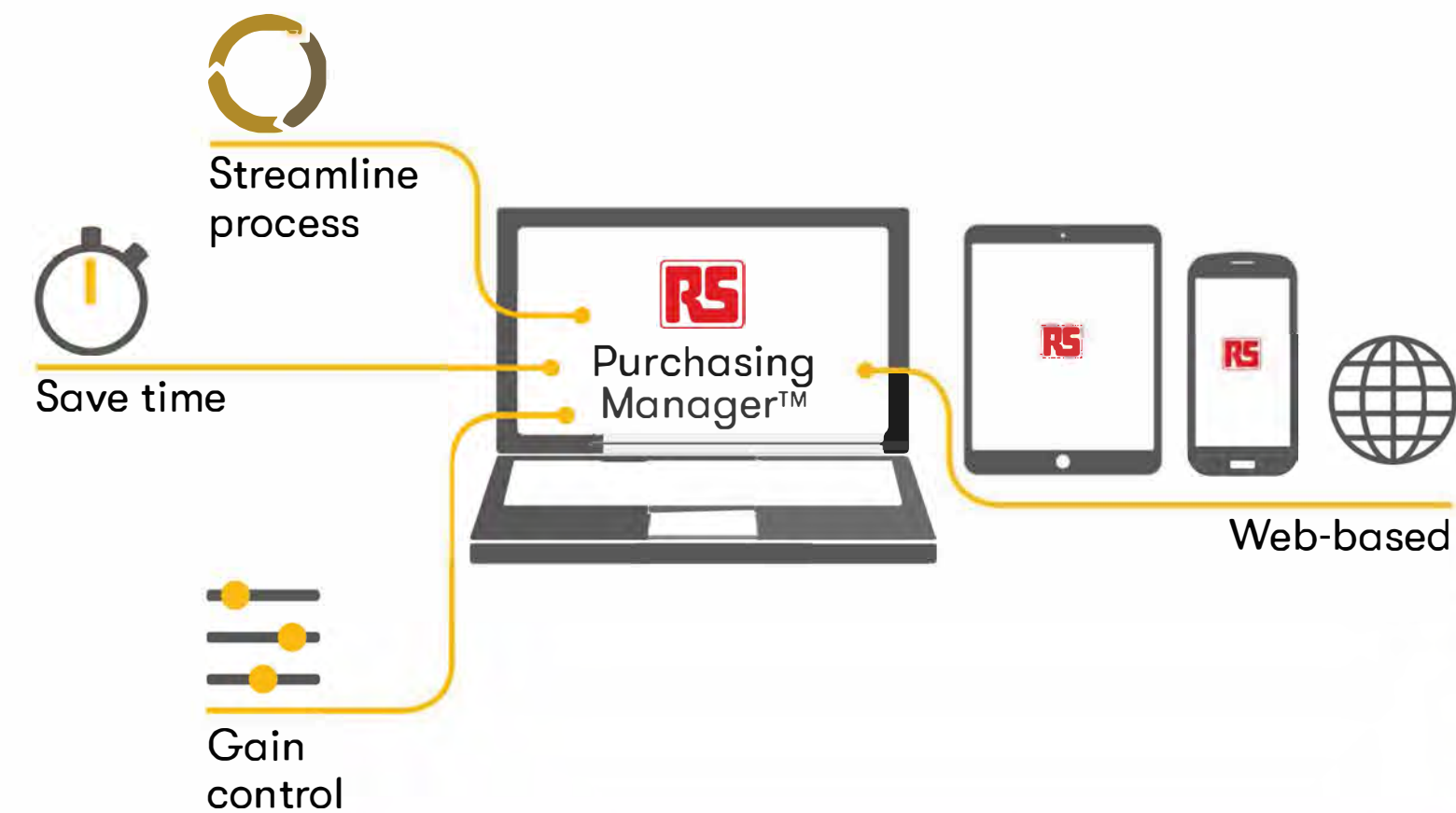
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DS Electrical

Fast & error free design!

DesignSpark Electrical (DSE) is aimed at electrical engineers, integrators and machine & panel builders within small businesses.

It provides the essential features to work with simple projects (up to 3 schematic sheets):

- Automation of routine electrical design tasks, multi-line schematics, cable and version management at no cost
- Ability to create your own electrical symbols and save as AutoCAD DWG.
- Extensive local and online libraries of symbols and manufacturer parts
- Live RS Components pricing and stock for parts via web API
- Built on the SOLIDWORKS™ platform, users benefit from a seamless migration pathway onto SOLIDWORKS™ Electrical packages
- Online help and support alongside video tutorial series.

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WERMA EvoSIGNAL -

Mini Midi Maxi Beacons

Industrial beacons with attractive features:

- Finding the right signal device is as easy as never before
- Three sizes can ideally cover almost any application segments
- TwinLIGHT and TwinFLASH merge two lighting functions in one element
- Tricolour and multicolour options combine several colours into one housing
- Best-in-class equipment: powerful, extremely durable (IP66), tamper-proof



EvoSIGNAL is the new modular, simple and clear standard solution for the signalling sector – in other words, typically WERMA.

Comprehensive range of EvoSIGNAL variants available online, examples shown as AC/DC supply with 115-230Vac supply options available from stock.

197-4169	Mini TwinLIGHT, Red, 24V	R 1 403.68	197-4213	Midi TriColour, Red/Yel/Grn, 12/24V	R3 810.55
197-4179	Mini TwinLIGHT, Yellow, 24V	R 1 403.68	197-4208	Midi TwinFLASH, Yellow, 12/24V	R2 832.74
197-4175	Mini TwinLIGHT, Green, 24V	R 1 403.68	197-4201	Midi TwinFLASH, Red, 12/24V	R 2 833.19
197-4190	Mini TwinLIGHT, Blue, 24V	R 1 403.68	197-4223	Maxi TwinLIGHT, Red, 12/24VAC	R 6 560.88
197-4186	Mini TwinLIGHT, Clear, 24V	R 1 403.68	197-4232	Maxi TwinLIGHT, Yellow, 12/24VAC	R 6 560.88
197-4187	Mini TriColour Red/Yel/Grn 24V	R 1 993.45	197-4230	Maxi TwinLIGHT, Green, 12/24VAC	R 6 560.88
197-4172	Mini TwinFLASH, Red, 24V	R 1 781.24	197-4241	Maxi TwinLIGHT, Blue, 12/24VAC	R 6 560.88
197-4183	Mini TwinFLASH, Yellow, 24V	R 1 781.24	197-4239	Maxi TwinLIGHT, Clear, 12/24VAC	R 6 560.88
197-4199	Midi TwinLIGHT, Red, 12/24V	R 2 514.54	197-4235	Maxi TwinFLASH, Yellow, 12/24V	R 6 938.16
197-4206	Midi TwinLIGHT, Yellow, 12/24V	R 2 512.87	197-4225	Maxi TwinFLASH, Red, 12/24V	R 6 938.16
197-4203	Midi TwinLIGHT, Green, 12/24V	R 2 513.35	197-4237	Maxi Rotating, Yellow, 12/24V	R 7 423.59
197-4215	Midi TwinLIGHT, Blue, 12/24V	R 2 514.54	197-4228	Maxi Rotating, Red, 12/24V	R 7 423.59
197-4210	Midi TwinLIGHT, Clear, 12/24V	R 2 513.35			

Click to watch a short video of the EvoSIGNAL light effects.



BS4343/CEE AM-TOP® IP44 Plugs

- Well designed and field-proven, AM-TOP® offers solutions for highest specifications, and makes fast, professional work possible with ease
- Through tightening the cable gland, the cable grip works automatically and the gasket seals simultaneously
- Heavy duty case designed for fast and easy assembly
- Examples shown, wider range available on the RS website



464-6183	248 16A 3 phase 230V	R 178.12
464-6206	3 16A 5 phase 400V	R 422.05
464-6240	4 32A 5 phase 400V	R 587.41

BS4343/CEE IP44 Wall Mounted Sockets

- Features a hinged socket protector and is available in contact arrangements of 3 to 5 Pole
- With a vertically oriented socket for a more secure connection, these wall mounted receptacles are well suited to industrial applications
- 16/32A suitable for mating with AM-TOP®, ProTOP or StarTOP® free plugs
- Examples shown, wider range available on the RS website



464-1403	101 16A 3 phase 230V	R 444.63
464-1425	111 16A 5 phase 400V	R 618.39
490-560	1557 32A 5 phase 400V	R 825.94

LOCALLY STOCKED

BS4343/CEE AM-TOP® IP44 Connectors

- Well designed and field-proven, AM-TOP® offers solutions for highest specifications, and makes fast, professional work possible with ease
- Through tightening the cable gland, the cable grip works automatically and the gasket seals simultaneously
- Heavy duty case designed for fast and easy assembly
- Examples shown, wider range available on the RS website



464-6262	510 16A 3 phase 230V	R 275.81
464-6290	5 16A 5 phase 400V	R 536.58
464-6335	6 32A 5 phase 400V	R 785.18

AMAXX® IP44 Combination Units

- Available in a range of different enclosure sizes and socket combinations, offers the right combination for each requirement: from the smallest AMAXX® receptacle combination with one segment, the largest with five segments for almost all applications
- Excellent break resistance, plus smooth, easy to clean surfaces
- Optimum electrical insulation, wear resistance and shape retention



111-5527	920005 1x CEE 16A/5P/400V and 2x SCHUKO® 16A, 230V + MCBs	R 7 723.85
111-5524	910214 2x CEE 16A/3P, 110-130V	R 7 639.98
111-5531	920417 2x CEE 16A/3P/230V + 1x 25A RCD	R 7 169.61

T1 Twister Industrial Single Pair Ethernet (SPE)

- Robust two-wire Ethernet communication – reduces weight & cost for industrial applications
- Up to 1000m reach with 10Mbit/s data performance and PoDL functionality – reduces system complexity
- Barrier-free communication from shop floor to Cloud computing – simplifies design and implementation



203-9051	Industrial angled jack	R 94.42
203-9053	0.5m cable assembly	R 373.41
203-9054	1m cable assembly	R 409.40
203-9055	2m cable assembly	R 481.51
203-9056	3m cable assembly	R 553.27
203-9057	5m cable assembly	R 697.13
203-9062	10m cable assembly	R 846.98
203-9063	50m cable assembly	R 4 235.91

Han®1A Heavy Duty Power Connectors

- Lightweight IP65 robust plastic housing & inserts – 30% smaller than full metal system
- Easy to use locking system – quick and easy click & mate design
- Modular design - power, signal & data options within the same housing



188-1485	12 contacts, 6.5A male	R 153.71
188-1486	12 contacts, 6.5A female	R 157.43
188-1487	Locking lever	R 40.73
188-1488	Bulkhead mounted housing, straight	R 74.88
188-1489	Bulkhead mounted housing, angled	R 107.46
188-1491	Strain relief	R 52.08
188-1493	Cable adapter	R 105.31

ix-Industrial®

- RJ45 performance in 70% less space – reduced PCB real-estate, increased stacking density
- Positive snap-in mating feature – robust metal construction provides effective audio confirmation of connection
- 5-point PCB THR hold-down contacts – high retention force & excellent shock/vibration performance



178-4192	Type B cable connector with solder termination	R 160.67
178-4193	Type B cable connector with IDC termination	R 245.10
178-4195	Female PCB connector	R 103.14
178-4180	Type A cable connector with solder termination	R 166.08
178-4182	Type A cable connector with IDC termination	R 214.91
178-4184	1m cable assembly	R 440.27

Han® B Rear-Mount Housings & Frames

- Allows pre-assembly of cables/wires away from cabinet or machine – efficient manufacture of wiring looms
- Snap fit frame into rear fit housings – tool-less assembly
- Established IP65/66 protection – compatible with existing installations
- Examples shown are rear-fit panel housing with frame. Housings and frames also available separately



197-6822	Han 6B	R 479.41
197-6825	Han 10B	R 600.01
197-6828	Han 16B	R 783.92
197-6832	Han 24B	R 698.87

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K4 Drive System Development Kit

The K4 drive system development kit contains everything product designers/ engineers need to get up and running with the latest 'SMART' ebm-papst brushless EC K4 Drive Motor and Drive Studio programming GUI.

ebmpapst

the engineer's choice

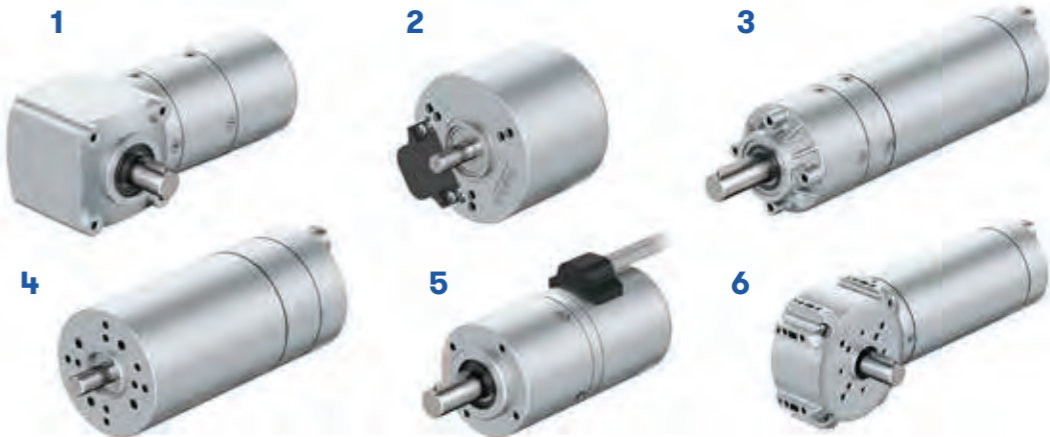


What's included?

- 1 x Drive Motor or Motor & Gearbox
- 1 x CN1117 Development Kit Control Box
- 1 x RS485 Adapter Kit
- 1 x Quick Start Guide
- 1 x Operations and Maintenance Instructions
- Power and Connection Cables

The range covers a nominal power output from 100 – 356W and motor torque from 24Ncm – 85Ncm; with a variety planetary and 90° crown gearboxes with a maximum torque of 64Nm.

There are 6× development kits available (as featured below) with 9 additional 'bolt on' drive motor/gearboxes to choose from - offering a fully customisable drive solution.



Item	RS Stock Number	Output Power	Output Torque	Output Speed	Type of Gear
1	187-2145	73W	15Nm	47.2rpm	Angle Gearhead
2	187-2144	100W	23.9Nm	4000rpm	No Gearbox
3	187-2149	200W	15Nm	133rpm	Planetary Gearhead
4	187-2147	251W	59.9Nm	4000rpm	No Gearbox
5	187-2146	90W	0.93Nm	924rpm	Planetary Gearhead
6	187-2148	230W	2.2Nm	985rpm	Angle Gearhead

Black PVC 3183Y Mains Cable

- High-quality BASEC approved medium duty H05VV-F harmonised flexible mains power cable with PVC insulation and a PVC jacket
- This flexible cable has a voltage rating of 300 to 500V
- Also available in other colours and numbers of cores, on the RS website



491-835	0.75mm ²	R 3 362.55
491-881	1mm ²	R 4 282.14
492-002	1.25mm ²	R 5 438.63
491-998	1.5mm ²	R 5 924.80
491-954	2.5mm ²	R 9 731.20

2491X PVC Equipment Wire

- Suitable for electrical power, lighting and internal wiring applications
- 1.5mm² examples shown. Also available in other colours and CSAs from 0.5mm² to 2.5mm²
- Supplied on 100m reels



361-787	Black	R 1 356.03
361-793	Blue	R 1 359.55
361-800	Brown	R 1 341.13
361-816	Green/Yellow	R 1 365.56
361-822	Red	R 1 359.76
361-838	White	R 1 359.04
361-844	Yellow	R 1 380.30

LOCALLY STOCKED

Single Core PVC Equipment Wire - 16/0.2mm

- Ideal for low voltage multi-purpose cable installations, and with an operating temperature of -15°C to +85°C
- Examples shown are 100m reels
- Also available as 500m reels, and with additional CSAs and colours. Please visit the RS website

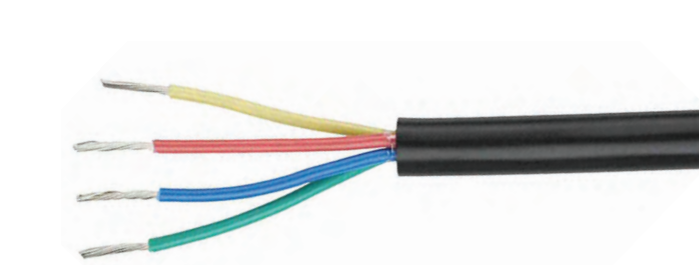


196-4253	Black	R 504.72
196-4261	Red	R 505.31
196-4254	Blue	R 504.53
196-4255	Brown	R 503.74
196-4256	Green	R 503.15
196-4279	Green/Yellow	R 564.88
196-4259	Orange	R 510.23
196-4263	White	R 510.23
196-4264	Yellow	R 503.15

LOCALLY STOCKED

Defence Standard 61-12 Part 5 Cable

- High quality tinned copper conductor 16/0.2mm² and durable PVC sheath offering excellent durability and protection
- Wide operating temperature range to accommodate various applications
- Examples shown are on 25m reels. Also available on 100m reels



201-2208	2 core	R 565.67
201-2210	3 core	R 669.58
201-2212	4 core	R 809.09
201-2215	6 core	R 1 130.27
201-2217	12 core	R 2 110.96
201-2219	18 core	R 2 972.85

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Steel Wire Armoured Cable

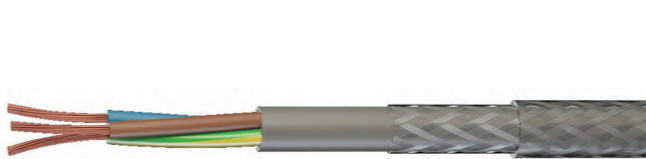
- Galvanised steel wire armour for optimum protection against damage and impact
- Excellent dielectric strength and corrosion resistance at high temperatures due to thermosetting XLPE insulation
- PVC bedding and sheathing to protect the cable in a wide range of environments
- Wide operating temperature range providing flexibility
- Available in a wide range of sizes and cores. Examples shown 5 core. 2 and 3 core versions also available on the RS website



185-4003	1.5mm ² 50m	R 6 350.19
185-4004	1.5mm ² 100m	R 12 142.56
185-4005	2.5mm ² 100m	R 14 958.37
185-4006	4mm ² 100m	R 22 548.59
185-4007	6mm ² 50m	R 15 227.00
185-4008	6mm ² 100m	R 31 975.42
185-4009	10mm ² 50m	R 11 668.64
185-4010	10mm ² 100m	R 43 681.99
185-4011	16mm ² 50m	R 33 447.24
185-4012	16mm ² 100m	R 66 800.73

SY Control Cable

- Galvanised steel wire braided flexible control cable designed for measuring, control or regulation under tough mechanical stresses
- For installations where free movement is required without tensile stresses
- Examples shown are 1.0mm². Other CSAs available from 0.75mm² to 6mm², all supplied on 50m reels (100m reel options coming soon)



196-4657	2 core	R 1 715.83
196-4692	3 core	R 2 149.18
196-4683	4 core	R 2 679.13
196-4682	5 core	R 3 092.71
196-4685	7 core	R 4 107.52
196-4704	12 core	R 5 918.33
196-4701	25 core	R 11 794.71

YY Control Cable

- Designed to be used as an interconnecting cable for measuring, controlling or regulation in control equipment
- Flexibility permits use for linking fixed and mobile equipment
- It is recommended for indoor projects in dry or moist conditions
- Supplied on 50m reels. Examples shown, other sizes available on the RS website



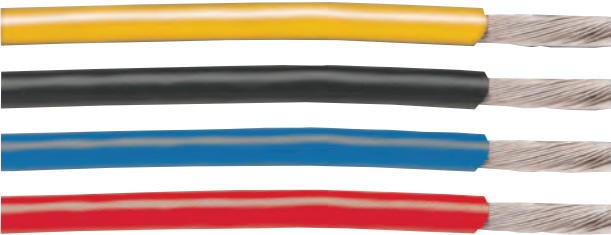
196-4675	0.75mm ² 3 core	R 1 174.64
196-4669	0.75mm ² 4 core	R 1 480.30
196-4702	1mm ² 3 core	R 1 441.36
196-4672	1mm ² 4 core	R 1 827.17
196-4695	1.5mm ² 3 core	R 1 852.13
196-4693	1.5mm ² 5 core	R 2 903.90
196-4665	1.5mm ² 7 core	R 3 882.46
196-4677	2.5mm ² 3 core	R 2 783.49
196-4686	2.5mm ² 4 core	R 3 575.60
196-4691	2.5mm ² 5 core	R 4 382.35

See website for full terms & conditions.
Pricing displayed includes VAT.
Pricing and stock availability is subject to change, check website for updates.

Metric EcoWire®

- Metric EcoWire® saves space in your critical applications where space is at a premium
- Zero-halogen, no phthalates or heavy metals
- 600V cable that is 45% smaller and 40% lighter
- Examples shown. Full range available on the RS website

NEW



201-2704	67025 BK033 0.25mm² black 100m	R 1 569.03
201-2731	67025 RD033 0.25mm² red 100m	R 1 569.03
201-2740	67050 BK321 0.5mm² black 50m	R 1 016.12
201-2761	67075 BK321 0.75mm² black 50m	R 1 359.16
201-2663	67010 BK321 1mm² black 50m	R 1 558.31
201-2689	67010 RD321 1mm² red 50m	R 1 558.31

Micro Coax

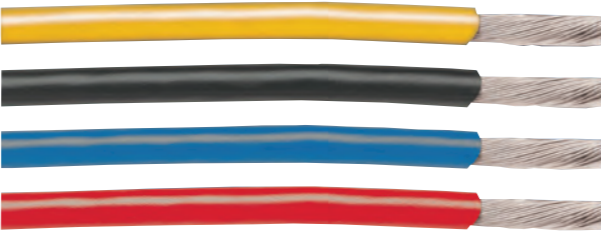
- Alpha's micro coaxial cable is a great space-saving solution that makes routing easier in applications such as medical probes, endoscopy systems, oximetry systems, industrial inspection, and more
- Exceedingly small and lightweight with stranded conductors for increased flexibility
- 90% shield coverage for excellent EMI protection and electrical characteristics
- Up to +200°C temperature range
- Supplied on 100m reels. Examples shown. Full range available on the RS website



122-2319	9442 WH033 0.0035mm² 0.3mm OD	R 4 460.71
122-2317	9438 WH033 0.0088mm² 0.46mm OD	R 4 326.75
122-2315	9434 WH033 0.022mm² 0.99mm OD	R 9 339.52
122-2314	9432 WH033 0.034mm² 1.12mm OD	R 10 438.04

EcoWire Plus

- EcoWire Plus offers all of the environmental benefits of standard EcoWire such as being smaller and lighter than PVC alternatives, plus additional fluid and chemical resistance
- Up to 45% smaller and 40% lighter than XLPE
- Rated from -40°C to +110°C at 300 V
- Meets ISO 6772 for oil and hazardous fluid resistance
- Supplied on 30m reels. Examples shown. Full range available on the RS website



749-5288	6820 BK005 0.08mm² black	R 457.79
749-5301	6820 RD005 0.08mm² red	R 456.81
749-5310	6820 WH005 0.08mm² white	R 457.40
749-5317	6821 BK005 0.13mm² black	R 544.53
749-5373	6823 BK005 0.33mm² black	R 696.73
749-5395	6823 RD005 0.33mm² red	R 705.78

EcoCable® Mini

- EcoCable® Mini is the next generation of 300V cables. By combining better performance and minimum environmental impact, EcoCable Mini uses its mPPE insulation and jacketing to provide all of the advantages in a smaller, lighter cable
- Up to 32% smaller, 44% lighter and 92% lower outgassing than standard PVC
- Contains no halogens, phthalates, or heavy metals
- Examples shown, supplied on 30m reels. Full range available on the RS website

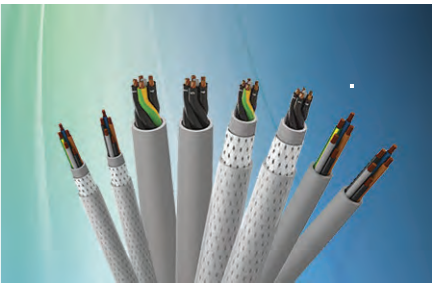


832-4727	78002 SL005 2 core unscreened	R 2 453.80
832-4739	78004 SL005 4 core unscreened	R 3 213.94
136-8490	78152 SL005 2 pair screened	R 3 894.97
832-4828	78106 SL005 6 core screened	R 3 494.07



MachFlex Control Cables

- Designed for applications which are installed in occasional flexing and fixed locations
- YY examples shown only
- Extensive range includes CY, SY, YY, CSA from 0.75mm² to 2.5mm², and choice of reel sizes (50m shown)



176-2323	3 core	R 1 993.84
176-2334	4 core	R 2 516.53
176-2345	5 core	R 3 171.92
176-2360	8 core	R 4 777.73

Multipair Industrial Cable

- Cable offers protection against electrical magnetic interference with the use of Beldfoil aluminium-polyester shielding
- The PVC outer jacket material offers protection against chemicals, oils & water spills
- 2 pair 22 AWG (7 × 30) stranded tinned copper conductors, with pairs cabled on a common axis to reduce outer diameter



822-989	30m reel	R 2 553.63
823-005	152m reel	R 7 351.98
822-995	302m reel	R 21 237.39

Multicore Industrial Cables

- Computer EIA RS-232 cable, with 24 AWG stranded (7×32) tinned copper conductors
- Has semi-rigid PVC insulation, and overall Beldfoil® shield with 100% coverage
- 24 AWG stranded tinned copper drain wire and PVC sheath on 304m reels



382-504	3 core	R 9 471.32
382-510	4 core	R 10 495.62
382-447	5 core	R 13 795.61
382-453	6 core	R 22 780.26
382-469	7 core	R 15 706.86
382-475	8 core	R 16 620.11
382-481	9 core	R 21 268.43
382-497	10 core	R 20 191.06

Valve Connectors Type A

- Ready for any harsh environment. Rugged, highly impermeable design guarantees uncompromising reliability in the most demanding applications
- Engineered for mechanical challenges and vibrations, optionally with strain relief and UL2238 approval
- High impermeability combined with an extraordinary resistance towards environmental impacts, oils and lubricants and operates from -40°C to +125°C



156-4741	PG9 gland	R 57.16
156-4757	PG11 gland	R 64.02

World's Strongest M12 Power Connectors and Cordsets

- The Lumberg Automation M12 Power Series opens the world of conventional M12 technology to high-power transmission
- Carrying 16A at 630V it is your answer to the increasing demand for powerful connectivity in the smallest possible housings
- High IP-protection class rating up to IP69K



508-5309	Male straight to unterminated 2m	R 760.05
508-5315	Male straight to female RA with LED 5m	R 1 023.78
508-5270	Female straight to unterminated 10m	R 575.39
508-5258	Female straight to male straight 10m	R 534.90
508-5286	Female right angled with LED to unterminated 10m	R 705.54
508-5292	Female RA with LED 25m unterminated	R 1 204.24

3M™ UHMW Film Tape 5423

- Film tape which can help reduce squeaks, rattles and other noises that occur with movement i.e. in automotive and transportation assemblies
- Translucent, abrasion resistant backing helps protect surfaces from wear
- Rubber adhesive provides good initial tack for immediate bonding to material surface
- Used in applications where lubrication is not possible because of contamination
- Liner makes it ideal for fabricating or die-cutting into various lengths and shapes



787-3209	19mm x 0.28mm x 16m	R 1 462.95
787-3202	25mm x 0.28mm x 16m	R 1 738.93
787-3206	50mm x 0.28mm x 16m	R 3 479.42

3M™ SecureFit™ Safety Prescription Spectacles

- Innovative design promotes improved comfort and secure fit
- Diffusion Temple Technology helps diffuse pressure over the ear to enhance frame comfort across a diverse workforce
- Adjustable nose pads and soft-touch temple inlays provide increased comfort and improved grip
- Includes reader segment in lens to aid reading or precision work



824-5425	No prescription	R 192.19
203-4882	No prescription + brow guard	R 543.07
136-3639	+1.5 prescription	R 383.01
136-3640	+2.0 prescription	R 374.06
136-3641	+2.5 prescription	R 373.55

3M™ Aluminium Foil Tape 425

- Thermally conductive tape helps dissipate heat and improves heating and cooling efficiency to protect temperature sensitive materials
- Resistant to chemicals to protect surfaces during de-paint process and other chemical masking operations
- Highly engineered acrylic adhesive provides long term durability, but removes cleanly after harsh masking applications
- Withstands exposure to flame, weathering, moisture and UV



175-7785	12mm	R 661.55
175-7791	19mm	R 720.70
175-7808	25mm	R 892.03
144-4029	38mm	R 1 326.97
175-7814	50mm	R 1 783.26
144-4030	75mm	R 2 369.59

3M™ SecureFit™ Amber Safety Spectacles

- Innovative design promotes improved comfort and secure fit
- Diffusion Temple Technology helps diffuse pressure over the ear to enhance frame comfort across a diverse workforce
- Adjustable nose pads and soft-touch temple inlays provide increased comfort and improved grip
- Brow bar to give additional protection
- Amber lens for enhanced contrast in low light conditions



203-4879		R 582.50
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Electrical Insulation Tape

- For colour coding and insulation of electrical cabling
- Flame retardant and self-extinguishing - conforms to BSEN 60454 Type 2
- Easy tear and unwind, conformable, water, UV and abrasion resistant



504-2396	AT7 10 reels of 19mm x 33m	R 689.02
297-9273	AT34 black 19mm x 20m extreme weather	R 163.00
297-9289	AT34 black 25mm x 20m extreme weather	R 210.68

Glass Cloth Tape

- Glass cloth tape used for electrical insulation of coils
- Recognised by UL and conforms to BS EN 60454-3-8
- High mechanical strength
- Thermosetting adhesive



408-9388	AT4001 Class B 130°C 12mm x 55m	R 556.87
408-9394	AT4001 Class B 130°C 19mm x 55m	R 880.39
408-9401	AT4001 Class B 130°C 25mm x 55m	R 695.27
408-9417	AT4002 Class F 155°C 12mm x 55m	R 428.69
408-9423	AT4002 Class F 155°C 19mm x 55m	R 676.40
408-9445	AT4002 Class F 155°C 25mm x 55m	R 832.38
408-9451	AT4003 Class H 180°C 12mm x 33m	R 405.85
408-9467	AT4003 Class H 180°C 19mm x 33m	R 581.54
408-9473	AT4003 Class H 180°C 25mm x 33m	R 764.14

All Weather Polythene Tape

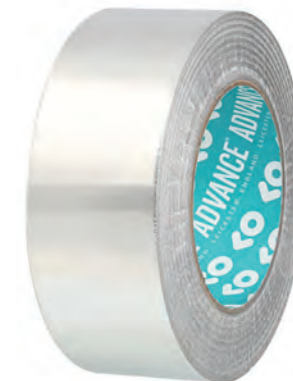
- Ideal for joining damp proof membranes
- Extreme temperature resistant (-40°C to +90°C)
- Conformable and easy unwind
- Water and abrasion resistant
- 50mm x 33m



176-6037	AT30 black	R 161.61
176-6038	AT30 white	R 161.37
176-6039	AT30 translucent	R 159.71

Aluminium Foil Tape

- Ideal for sealing metal or plastic ducting, sealing cold store insulation, joining foil faced glass fibre or rockwool
- Flame retardant and self-extinguishing
- Conforms to BS476 Part 6 and Part 7 Category 1, Fire Class M1, Class 0
- High and low temperature resistant -40°C to +110°C



176-573	AT502 50mm x 0.07mm x 45m	R 324.89
176-567	AT500 50mm x 0.08mm x 45m	R 295.78
408-9574	AT506 50mm x 0.09mm x 50m	R 552.00

Polythene Protection Tape

- Ideal for the protection of delicate surfaces during renovation or transit
- Good low temperature resistance (-40°C to +60°C)
- Easy tear and clean peel from most surfaces
- Water and UV-resistant
- Environmentally responsible choice



409-3618	AT6102 50mm x 33m	R 226.50
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HG 2320 E Heat Gun

- Digitally controlled heat gun with safety heat indicator and four memory programmes
- One-hand operation with soft grip handle and 3m power cord
- Maximum temperature 650°C and airflow of 500L/min
- Ideal for shrinking heat shrink tubing, film or packaging; stripping paint; drying out wood; softening adhesives or thawing frozen pipes



520-2914 R 3 947.72



Cable Tie Guns

- Lightweight and durable tools giving simple and problem free tensioning of cable ties
- Squeeze trigger to tension, twist to cut



187-8882 2.5 - 4.8mm R 701.85
187-8898 4.8 - 7.6mm R 991.49



DUO Tap and Drill Packs

- Makes selection of tap and correct pre-hole drill simple
- Pack contains: HSS ISO straight flute tap (E500) for threading through or blind holes up to 1.5XD and drill
- Tap lead is second cut



174-0101 M3 tap 2.5mm drill R 276.92
174-0102 M4 tap 3.3mm drill R 256.84
174-0104 M5 tap 4.2mm drill R 293.50
174-0105 M6 tap 5mm drill R 303.20
174-0106 M8 tap 6.8mm drill R 387.91
174-0107 M10 tap 8.5mm drill R 481.79
174-0108 M12 tap 10.2mm drill R 678.08



One-Touch Tool Boxes

- Stackable tool box with one hand latch opening and self-closing
- 2 storage compartments on the cover and removable tray which allows more tools to be stored underneath
- Padlockable clasp (padlock not supplied)
- Folding handle for easier handling



123-4649 391 x 164 x 222mm R 868.38
123-4650 481 x 237 x 271mm R 1 346.08
123-4651 603 x 260 x 273mm R 1 952.76

SDS Plus 240V, Corded Drill

- Rotation stop mode for light chiseling in soft masonry, plaster, tiles and light concrete and impact-stop mode for rotary only drilling in wood and metal
- The kit includes a TSTAK Box, gloves, glasses and 15 drill bits and chisels, allowing you to tackle any job



192-5289 R 13 520.63



INVENTED TO LAST

A new breed of power tool accessories designed to reach unprecedented levels of performance.

LONGER. TOUGHER. BETTER.

GSB 18 V-55 Combi Drill

- Tough and powerful performance of 55Nm and 1,750 RPM for highest efficiency when working in wood, metal and masonry 3mm Roehm metal chuck
- offers ideal power transfer for drilling and screwdriving
- Brushless motor ensures extensive tool lifetime and longer battery runtime
- Supplied with 2 x 3.0Ah Li-Ion batteries



201-9799 R 5 505.40

GSR Keyless 12V Drill Driver

- This cordless power tool has an extremely short and compact design of 169 mm making it ideal for use in confined spaces or extended overhead work
- It features an integrated LED light for illuminating the work area in dim and dark areas and a two speed gearbox delivering 30Nm of torque.



874-1119 (excludes battery) R 2 602.11
874-1046 (battery) R 1 521.56

GSB 18 V-21 Drill

- Reliable entry-level cordless combi drill with impact drilling function
- 55Nm of hard torque delivers the performance necessary for basic drilling and drill driving applications
- Reliability, durability, and professional quality for daily use due to full-metal gear box and Electronic Cell Protection
- Professional design with keyless 13mm chuck enables quality work
- Supplied with 2 x 1.5Ah Li-Ion batteries



201-9800 R 4 492.16

18V Combi Drill and Impact Driver Twin Pack

- Kit containing the GSB 18V-55 combi drill and one of Bosch's most powerful 18V impact driver the GDX 18 V-200 with brushless motor
- Impact driver is extremely powerful due to 200Nm of torque
- 2-in-1 bit holder with 1/4" internal hex and 1/2" square drive guarantees flexibility for the widest range of jobs
- Comes with 2 x 3.0Ah Li-Ion batteries



201-9798 R 8 699.30

GWS 1100 125mm Angle Grinder

- Direct cooling for high overload capability & long life
- Vibration control side handle
- SDS disc change
- Maximum disc diameter: 125mm
- M14 spindle



735-8719 R 3 423.26

Insulated Crimping Tool

- Offers precision, consistent and reliable crimp
- DuoTech soft grip handle allows for optimum user comfort and ergonomics, while it works as a non-slip handle with little friction to avoid any injury or accidental slipping
- Self-releasing mechanism allows tool to be locked in place for a secure crimp
- Suitable from crimping insulated terminals 0.5 to 6mm



192-3665

R 1 485.41

Tape Measures

- Metric and imperial tape measure with positive blade lock for accurate measuring
- Belt clip for convenience
- Cushion grip for both comfort and non-slip



848-7604	3m	R 111.23
848-7613	5m	R 187.82
848-7616	8m	R 349.15

VDE Tool Kit

- Tool kit containing all the essential hand tools for electrical work
- All tools tested to IEC 60900
- Kits contains: combination pliers, long nose pliers, cutters, Ph2 screwdriver, 4 & 5.5mm slotted screwdrivers in a plastic case with transparent lid



473-350

R 2 352.61

HSS-E Cobalt Drill Bit Set

- High-performance HSS-E drill bits cut faster and last longer than regular HSS drill bits
- 135° non-slip split point for precise centring removes the need for drilling a pilot hole
- Set contains 1-13mm drills in 0.5mm increments contained in a handy storage box



216-690

R 2 759.82

55-Piece Socket and Bit Set

- Professional Chrome Vanadium Steel 1/4" socket and bit set supplied in a compact, easy to store case
- Soft comfortable ratchet handle for reduced fatigue and a tighter grip
- Fitted case reduces lost parts and provides quick identification of missing parts
- Set contains: sockets: 5, 6, 7, 8, 9, 10, 11, 12mm; ratchet handle; 50 & 100mm extension bars; 150mm flexible bar; universal joint; sliding T-bar; coupler; slotted bits: 3, 4, 5, 6mm; hex bits: 2, 2.5, 3, 4, 5, 6mm; Phillips: PH1 (x2), PH2 (x5), PH3 (x3); Pozidriv: PZ1 (x2), PZ2 (x5), PZ3 (x3); Torx: T10 (x2), T15 (x2), T20 (x2), T25, T27, T30, T40



817-9236

R 969.23



VIEW THE REVOLUTIONARY
DEWALT XR FLEXVOLT RANGE
NOW ON OFFER AT RS ONLINE.

VDE Screwdriver Sets

- Ergonomic VDE screwdriver sets with soft grip handle for great grip which reduces fatigue
- Shot blasted tips ensure improved torque and corrosion protection
- 2-piece set contains: PZ2 x 100mm, 4.0 x 100mm
- 7-piece set contains: PZ1 x 80mm, PZ2 x 100mm, 2.5 x 75mm, 3.5 x 75mm, 4 x 100mm, 5.5 x 125mm and voltage tester
- 10-piece set contains: PH1 x 80mm, PH2 x 100mm, PZ1 x 80mm, PZ2 x 100mm, 2.5 x 75mm, 3.5 x 75mm, 4.0 x 100mm, 5.5 x 125mm, 6.5 x 150mm and voltage tester



177-1362	2-piece	R 317.14
177-1363	7-piece	R 759.86
177-1364	10-piece	R 1 087.49

Wheeled Tool Bag

- Heavy duty 600 denier fabric which is resistant to cuts and scratches
- Internal and external pockets
- Ideal for power tools and accessories storage
- Telescopic handle and wheels for easy movability



136-7187

R 3 194.49

FatMax Pro Compartment Boxes

- Light-weight compact organiser boxes are ideal for small and medium size parts
- Made from extra-durable polypropylene featuring metal hinges and metal locking latches
- Removable storage compartments that can be easily customised and even taken out of the box if necessary and used as separate storage trays
- Waterproof seal protects contents and makes it the ideal choice for any weather conditions
- 446 x 357mm



784-0527	116mm deep	R 1 501.14
136-7188	74mm deep	R 1 119.52

Hook Pull Cutters

- Completely recessed blade and slip-resistant bi-material grip
- Integrated metal tape splitter
- Hook piercer pierces and cuts through single and double wall corrugated cardboard



177-1368	Single blade	R 126.89
177-1377	Double blade	R 126.66

Fluke 87V/E2 Industrial Electrician Kit

- The Fluke 87V true-RMS multimeter has improved measurement functions and troubleshooting features
- Two-level back-light making it easy to read even in the darkest of environments
- Comes with the Fluke 87V, Suregrip™ alligator clip set, a lightweight soft carry case, Suregrip™ silicone test lead set, integrated DMM probe (type K), Suregrip™ slim reach test probe set and a magnetic hanger



237-160

R 12 650.60

Fluke TiS60+ Thermal Imaging Camera

- Boost you or your team's performance with 320 × 240 resolution infrared images taken with the TiS60+
- Easy to use fixed focus, with one-handed image capture, review and save capability
- Fluke Connect™ compatibility for sharing wirelessly



198-1145

R 73 794.07

Fluke 773 DC Current Clamp Meter

- Measures low level dc current
- Maintain and troubleshoot process and automation
- Measure in tight locations
- Illuminates hard to see wires in dark enclosures



669-3493

R 36 213.50

Fluke T6-1000 Voltage Tester

- With FieldSense technology for ac voltage, current and frequency measurement without making electrical contact to live voltage
- Simultaneous voltage and current display shows all power supply measurements at a glance for efficient trouble shooting for motors and other appliances
- Easy to read display with backlight



146-2605

R 7 525.03

Fluke 125B ScopeMeter Handheld Oscilloscope

- Dual-input digital oscilloscope and multimeter
- IntellaSet technology automatically and intelligently adjusts numerical readout based on the measured signal
- Resistance, continuity, diode and capacitance meter measurements



920 -6181

R 14 269.78

DLRO2



The smallest things can make a **BIG** difference

The DLRO2 packs a huge amount of testing ability into a handheld product. Not only does it include our new Difference Meter which is designed to help you spot changes easily, but it also has inadvertent connection protection up to 600 V and an optimised long lead test mode.



Want to see the difference?

Megger

Difference Meter For Quick Data Comparisons

- Use long leads at 1A without compromising test speed
- Safely test the resistance of inductive loads at 1A
- <600V active protection against inadvertent live connections without blowing a fuse
- Industry standard safety rated at CATIII 600V/CATIV 300V



NEW

205-0428

R 58 293.68

MIT420/2 Insulation Tester

- Designed for electrical and industrial testing
- Single range, faster continuity testing from 0.01Ω to 1MΩ (New)
- Adjustable insulation test voltage from 10V to 1000V and 200GΩ range
- 600V Trms AC and DC voltage measurement
- CAT IV 600V and IP54



921-4526

R 17 283.22

DCM305e - Earth Leakage Clampmeter

- 0.001mA resolution - TRMS reading
- Up to 100A range for standard AC current measurements
- Low pass filter to aid stability of readings
- Auto, data and peak hold - 40mm jaw
- Analogue bargraph display for trending



179-4710

R 7 598.56

AVO385 - Digital TRMS Multimeter

- CAT III 1000V and CAT IV 600V
- IP54 environmental protection
- High / Low sensitivity live circuit detection
- 10MΩ / 10kΩ input impedance
- MIN / MAX / AVG / Smoothing



136-7899

R 7 325.67

PUT OUR RANGE TO THE TEST

Your smart choice for Test and Measurement.

The RS PRO range offers a complete choice of reliable, quality instruments to meet the needs of diverse industries.

www.rspro.com



RS PRO TEST & MEASUREMENT



RSST-2001 Electrical Safety Analyser

NEW

- Provides a high-quality and high-efficiency solution to any electrical testing needs, with an output capacity of 20VA
- Includes PWM amplifier to exclude fluctuating voltage input or distorted waveforms
- The world's first safety analyser to comply with IEC 61010-2-034
- LED lights & audio indicator to provide status warnings



201-0446

R43 703.39

Industrial Multimeter With Bluetooth

NEW

- Ideal for measuring a wide range of electrical parameters such as voltage, current, resistance, capacitance and frequency
- Clean and user friendly interface with a large white LED backlit display, allowing you to easily display measurements in a wide range of environments
- With Bluetooth connectivity, you can also save and share data quickly and efficiently to your smart device



199-3846

R 3 407.97

Temperature Calibrator

- High precision calibration of RTDs and thermocouples
- Enables calibration of any process device that measures temperature – both sensors and temperature measuring instruments
- Can source and measure 14 types of RTD and 11 types of thermocouple



200-1423

R 20 337.31

AC Current Datalogging Clamp Meter

- Flexible true RMS clamp meter specifically designed for access to awkward and hard to reach areas
- Ideal for the types of jobs where the hard jaw clamp meters are unable to gain access to, as the flexible coil can be snaked around obstructions with ease
- Plus datalogger for monitoring, and Bluetooth interface for results export



201-0209

R 2 874.07

Ultrasonic Cleaning Tanks

- A high-quality cleaner that uses a combination of ultrasonic vibrations and cleaner solution to gently clean and degrease a wide range of materials from plastic to metal
- Durable and corrosion resistant stainless steel tank
- Wire basket included to safely clean items without damaging them or the transducers of the tank
- Adjustable heating and timer controls with LED lamps, giving you full control



183-7513 10 litre

R 23 648.72

179-7571 36 litre

R 51 247.09

See website for full terms & conditions.

Pricing displayed includes VAT.

Pricing and stock availability is subject to change, check website for updates.

za.rs-online.com



Electrical Clips

- The Inventor of the Alligator Clip!
- Largest range of clips on the market
- From miniature test clips to 400A
- Available in numerous materials, examples shown



756-6724	BU-60 steel contact, 10A pack of 10	R 142.67
179-9361	BU-21CEZ copper contact 100A	R 301.21
714-8269	BU-40C-2 copper contact 20A red	R 51.51
714-8500	BU-65-2 nickel plates steel 30A red	R 159.46
714-8231	BU-102B-0 copper contact 300A black	R 771.75
756-4649	BU-21CPN copper contact grabber clip 100A	R 240.48
714-8263	BU-75K Kelvin clip gold plated 10A black	R 377.56

4mm Test Leads

- PVC & silicone insulations
- Kelvin testing leads
- High quality and reliability
- Includes fused versions, examples shown



180-1287	BU-2323-10-79-4 yellow 2m stackable	R 683.56
180-1354	BU-6162-M-24-2 shrouded straight to R/A plug - red - 600mm	R 283.25
189-1761	AI-000404-36-2 fused stackable test lead - red - 900mm	R 813.75
180-1351	BU-6161-M-72-8 shrouded silicone - grey - 1.8m	R 546.87
888-3705	110011 test leads with needle test probe, 1.2m - red & black	R 508.43
888-4562	BU-P2249-C-240 RG-58 Mil-Spec coaxial lead assembly - 6m	R 1 090.35

4mm Test Connectors

- UL and CE approved products
- Cat I through CAT IV products
- High quality & reliability
- Comprehensive range, examples shown



888-3733	BU-00249-2 red male banana plug - screw pack of 10	R 519.50
714-8162	BU-00247-0 insulated 15A dual banana plug - black	R 101.60
888-4512	BU-P1296 adapter-BNC male to double binding post	R 565.05
888-4083	BU-31607-2 red female banana plug - stud, 1kV, 600V	R 155.03
888-4538	BU-P2143-0 double mini banana jack - black	R 105.38
187-3718	BU-P72913-0 black female banana connectors - solder, 1kV	R 58.53
180-1319	BU-3261410-0 black male banana plug - solder, 1kV	R 151.63
180-1311	BU-3110410-2 stackable red plug - shrouded 20A	R 151.43

Test Probe Sets

- Premium quality
- Compatible with most instrument manufacturers
- Includes micro-electronic accessory kit
- Rugged carry pouch included with each kit



200-0583	KT-BMMPS soft grip probe leads and clips - non-fused	R 535.42
200-0582	KT-MMPS comprehensive unfused kit	R 1 580.97
200-0584	KT-MS001 micro-scale test accessories kit	R 819.48



LOCALLY STOCKED



Multi-Range DC Bench PSUs

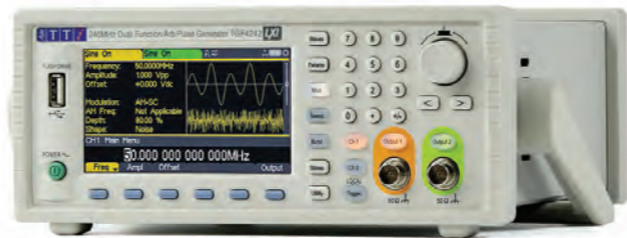
- Full Power outputs
- Mixed Mode for low output noise
- Output sequence and delay



852-5235	MX100TP with remote interfaces	R 31 058.45
852-5232	MX100T 3× output 16V/6A up to 70V/3A [O/P/3]	R 25 183.80
183-3475	MX100Q 4× outputs 16V/6A up to 70V/3A [O/P 384]	R 37 903.91
183-3476	MX100QP with remote interfaces	R 41 577.81

High Frequency Function Generators

- 40, 80, 160 & 240MHz models
- Full feature Dual output
- Extensive modulation modes



181-3540	TGF4042 40MHz	R 17 742.66
181-3541	TGF4082 80MHz	R 21 246.76
181-3542	TGF4162 160MHz	R 30 007.00
181-3543	TGF4242 240MHz	R 35 847.16

LOCALLY STOCKED

All highlighted items on this page are now stocked locally and can be delivered within 24 hours to major cities and 48 hours to other areas in South Africa.



High Performance PSUs

- Ultra low noise
- True analogue control with digital lock
- Low current 0.1mA resolution



155-399	PL303 - 0 to 30V at 0 to 3A	R 10 276.14
790-4741	PL068 - 0 to 6V at 0 to 8A	R 10 886.36
457-740	PL303QMD - 2 × [0 to 30V at 0 to 3A], or 1 × [0 to 30V at 0 to 6A]	R 19 283.80
790-4732	PL303QMT - As PL303QMD plus 0 to 6V at 0 to 8A	R 29 960.51
457-752	PL303-P 0 to 30V at 0 to 3A with remote interfaces	R 14 141.92
457-756	PL601-P 0 to 60V at 0 to 1.5A with remote interfaces	R 15 427.39
457-746	PL303QMD-P 2× [0 to 30V at 3A], or 1× [0 to 30V at 6A] with remote interfaces	R 25 157.12

RF Low Phase Digital Modulation

- High signal purity, phase noise
- Internal or external digital modulation with option U01
- 127dBm to +13dBm with 0.1dBm resolution



197-4158	TGR2051 150kHz – 1500MHz	R 52 005.99
197-4159	TGR2053 150kHz – 3000MHz	R 81 206.79
197-4161	TGR-U01 option	R 11 704.13

LOCALLY STOCKED

All highlighted items on this page are now stocked locally and can be delivered within 24 hours to major cities and 48 hours to other areas in South Africa.

FULLY LOADED

3000z & 4000HD Series WaveSurfer oscilloscopes are now available with ALL software options pre-installed and ready for use. Learn more about these great 'scopes and the details of what options are available below, and see which is the one for you.



WaveSurfer 4000HD High Definition Oscilloscopes

- With 4 input channels, 12-bit resolution and available in bandwidths ranging from 200MHz up to 1GHz
- Compact and only 6.3" deep - one of the most space-efficient bench scopes around
- Combine this with Teledyne LeCroy's HD4096 HD technology, long memory, and a compact form factor the WaveSurfer 4000HD series of oscilloscopes provide superior and uncompromised measurement performance
- With a large 12.1" multi-touch colour LCD display and mixed-signal capabilities these are the ideal instrument for debug and troubleshooting
- Particularly effective in power electronics designs, digital power management, power integrity analysis, automotive electronics and embedded or mechatronics designs
- NOW AVAILABLE FULLY LOADED WITH:
- WS4KHD-FG Function Generator Software Option
- WS4KHD-AUTO. CAN and LIN Serial Trigger and Decode Bundle
- WS4KHD-EMB. I2C, SPI, UART and RS-232 Serial Trigger and Decode Bundle
- WS4KHD-AUDIOBUS Serial Trigger and Decode Option
- WS3K-PWR Power Analysis Software



194-3325	200MHz, 4 channel, WaveSurfer 4024HD	R 178 890.13
194-3326	350MHz, 4 channel, WaveSurfer 4034HD	R 204 265.63
194-3327	500MHz, 4 channel, WaveSurfer 4054HD	R 229 670.32
194-3328	1GHz, 4 channel, WaveSurfer 4104HD	R 255 045.82

WaveSurfer 3000z Oscilloscopes

- Provides brilliant features such as; capacitive touch screen, history mode, powerful triggering, segmented memory acquisition and advanced anomaly detection
- Equipped with free embedded auto and function generator options as standard
- Powerful and versatile with multi-instruments and measurement capabilities ensuring they're tailored for any need
- With an easy to use 10.1-inch touchscreen built for simplicity and an effortless interface, you'll find this digital oscilloscope a breeze to use
- Furthermore, the WaveSurfer includes future-proofing with upgradable bandwidth and upgradable software and hardware in the field, to make your user experience that much easier
- NOW AVAILABLE FULLY LOADED WITH:
- WS3K-FG Function Generator Software Option
- WS3K-AUTO. CAN and LIN Serial Trigger and Decode Bundle
- WS3K-EMB. I2C, SPI, UART and RS-232 Serial Trigger and Decode Bundle
- WS3K-AUDIOBUS Serial Trigger and Decode Option
- WS3K-FLEXRAYBUS Serial Trigger and Decode Option
- WS3K-CAN FD Serial Trigger and Decode Option
- WS3K-PWR Power Analysis Software



174-9984	100MHz, 4 channel, WaveSurfer 3014z	R 79 518.78
174-9985	200MHz, 4 channel, WaveSurfer 3024z	R 103 371.31
174-9987	350MHz, 4 channel, WaveSurfer 3034z	R 172 437.63
174-9988	500MHz, 4 channel, WaveSurfer 3054z	R 178 271.20
174-9989	1GHz, 4 channel, WaveSurfer 3104z	R 204 797.91

B29xx Series Precision Instruments

- Precision source measure units (SMUs) with up to + 210V/3Adc/10.5A pulsed source and measure and 10fA/100nV resolution capabilities
- 6.5 digit low noise power source, 100nV/10fA resolution, best-in class 10µVrms noise floor, bipolar 210V/3A (10.5A pulse) range and flexible arb waveform generation capabilities
- Precision meters, as low as 0.01fA minimum resolution, high resistance up to 10PΩ and 20,000 readings/s



888-2355	B2901A 1ch, 100fA, 210V, 3Adc/10.5A pulse	R 141 751.47
888-2358	B2902A 2ch, 100fA, 210V, 3Adc/10.5A pulse	R 248 487.06
888-2352	B2911A 1ch, 10fA, 210V, 3Adc/10.5A pulse	R 258 963.49
888-2361	B2912A 1ch, 10fA, 210V, 3Adc/10.5A pulse	R 399 426.00

N67xx Series Modular Power System

- N6705C DC Power Analyzer Mainframe with 4 slots, or N6702C 1U low profile for ATE testing, with up to four outputs per mainframe
- More than 30 DC power modules, source measure units or electronic loads to choose from; DC power analyser combines capabilities of up to 4 modules, DMM, scope, arb and data logger
- Ideal for flexible testing configuration and seamless measurement ranging especially in battery drain analysis, with powerful control and analysis software as optional add-on



136-5428	N6702C	R 103 799.96
134-5646	N6705C	R 194 054.55

344xx Series Digital Multimeters

- Histogram, bar and trend charts to speed up statistical analysis, plus Auto-calibration feature
- Test low power devices with 1 microamp range and picoamp resolution
- Patented TrueVolt technology helps you measure with greater accuracy, lower noise and lower measurement error



777-7101	34460A 6.5 digits, 300 rdgs/s, 100uAdc	R 25 512.45
777-7104	34461A 6.5 digits, 1000 rdgs/s, 100uAdc	R 29 208.42
867-2287	34465A 6.5 digits, 5000 rdgs/s, 1uAdc	R 37 951.99
867-2280	34470A 7.5 digits, 5000 rdgs/s, 1uAdc	R 81 448.65

4000X Series Scopes

- Isolate signals in seconds with exclusive Zone Touch Triggering on a 12.1-inch capacitive touch screen
- See the most signal detail with 1,000,000 wfms/sec update rate
- Get more functionality with optional integrated digital channels (MSO), serial protocol analysis, dual-channel WaveGen and 3-digit Voltmeter



195-3168	DSOX4024A 200MHz 4 channel	R 123 967.87
195-3169	DSOX4034A 350MHz 4 channel	R 229 674.77
195-3170	DSOX4054A 500MHz 4 channel	R 297 070.21
195-3171	DSOX4104A 1GHz 4 channel	R 368 407.77
195-3172	DSOX4154A 1.5GHz 4 channel	R 407 449.24
195-3180	MSOX4024A 200MHz 4 analogue channels, 16 digital	R 181 581.05
195-3181	MSOX4034A 350MHz 4 analogue channels, 16 digital	R 287 404.75
195-3182	MSOX4054A 500MHz 4 analogue channels, 16 digital	R 354 829.40
195-3183	MSOX4104A 1GHz 4 analogue channels, 16 digital	R 426 079.35
195-3184	MSOX4154A 1.5GHz 4 analogue channels, 16 digital	R 466 522.46

Ultimaker

Industrial production power on your desktop

The Ultimaker S5 Pro Bundle combines our most powerful 3D printer with its breakthrough Material Station and Air Manager. Together, they simplify your 3D printing workflow with automated material handling, efficient air filtering, and filament humidity control. This open and unique solution gives you the flexibility and confidence to print large, demanding applications with an extended range of materials – with up to 24/7 productivity.



Ultimaker S5 Pro Bundle 3D printer

192-5468

R 262 470.39

Features

- ✓ Fast and easy front-loading of up to six filaments
- ✓ Uninterrupted printing with automatic material switching
- ✓ Humidity-controlled material storage
- ✓ Compatible with third-party filaments, including composites
- ✓ Enclosed build chamber and EPA filter remove up to 95% of ultrafine particles (UFPs)

"[Using 3D printing], we have actually saved €350,000 in our production facilities by increasing the yield of our products and eliminating a number of safety hazards," ERIKS facility in Alkmaar, Netherlands



3 Series MDO Mixed Domain Oscilloscopes

- 11.6-in capacitive touchscreen, optional 16 digital channels for mixed signal analysis
- Built-in spectrum analyser
- Wide range of serial bus decoding and triggering options
- With 3 FREE options - ships with serial decode, MSO and arbitrary function generator software options



187-5454	MDO34 4 channel, 100MHz	R 111 262.98
187-5455	MDO34 4 channel, 200MHz	R 124 111.34
187-5456	MDO34 4 channel, 350MHz	R 229 818.23
187-5457	MDO34 4 channel, 500MHz	R 308 660.39
187-5458	MDO34 4 channel, 1GHz	R 382 228.95
187-5459	MDO32 2 channel, 100MHz	R 45 445.73
187-5450	MDO32 2 channel, 200MHz	R 111 205.85
187-5451	MDO32 2 channel, 350MHz	R 191 809.58
187-5452	MDO32 2 channel, 500MHz	R 244 083.77
187-5453	MDO32 2 channel, 1GHz	R 289 048.25

Keithley DMM6500 Digital Multimeter

- 6½-digit touchscreen bench/system DMM with built-in features for education and electronics labs
- More measurement capability – including transient capture, data visualisation and analysis
- 5-in (12.7cm) multi-touch capacitive touchscreen with graphical display, adjustable cursors and pinch-and-zoom simplicity for easy waveform visualisation and analysis



173-9960

R 25 981.73

See website for full terms & conditions.
Pricing displayed includes VAT.
Pricing and stock availability is subject to change, check website for updates.

TBS2000B Series Oscilloscopes

- 9-in WVGA colour display with 15 horizontal grids – shows 50% more signal
- Up to 200MHz bandwidth, 5M point record length, 2GS sample rate for faster debug and validation
- HelpEverywhere® function provides helpful onscreen tips for students and new users
- Introductory offer, up to 15% off manufacturer's list price while stocks last



200-6294	TBS2072B 2 channel, 70MHz	R 31 372.13
200-6295	TBS2074B 4 channel, 70MHz	R 47 488.12
200-6297	TBS2102B 2 channel, 100MHz	R 35 287.32
200-6298	TBS2102B 4 channel, 100MHz	R 57 211.98
200-6299	TBS2202B 2 channel, 200MHz	R 61 653.36
200-6300	TBS2204B 4 channel, 200MHz	R 76 966.33

AFG31000 Series Arbitrary Function Generators

- A high-performance AFG with built-in arbitrary waveform generation and real-time waveform monitoring
- 9-in capacitive touchscreen with shortcuts to frequently used settings
- InstaView technology – see the waveform at the DUT without the need for an oscilloscope or probe



179-3504	AFG31021 25MHz, 1 channel	R 50 723.69
179-3505	AFG31022 25MHz, 2 channel	R 76 420.40
179-3506	AFG31051 50MHz, 1 channel	R 55 979.84
179-3507	AFG31052 50MHz, 2 channel	R 83 136.58
179-3508	AFG31101 100MHz, 1 channel	R 96 568.95
179-3509	AFG31102 100MHz, 2 channel	R 135 990.03
179-8132	AFG31151 150MHz, 1 channel	R 113 211.50
179-8131	AFG31152 150MHz, 2 channel	R 159 426.37
179-8130	AFG31251 250MHz, 1 channel	R 215 124.20
179-8129	AFG31252 250MHz, 2 channel	R 314 114.91

ROCOL®

Performance you can trust

SELECT

OUR EXPERTS' CHOICE
YOUR MAINTENANCE SOLUTION



Maintenance essentials: the experts' choice

There are some key products that every maintenance toolbox needs, and Rocol has made it easy to keep your core product stores well stocked with the introduction of Rocol SELECT.

Your maintenance essentials

The products in the Rocol SELECT collection have been hand-picked by industry experts to give you all your maintenance toolbox essentials in a single product range, including high-performance lubricants, cleaners and general purpose lubricants.

A proven track record

With over 130 years' of working closely with manufacturers, and one of the industry's widest portfolios of high-performance lubrication and maintenance solutions, Rocol understands the day-to-day challenges of keeping factories running efficiently and has developed its product portfolio to help maintenance engineers reduce downtime and improve productivity.

Committed to quality

From product concept and design to technical expertise and customer services, every function at Rocol is carefully controlled within a BS EN 9100:2018 and ISO 9001:2015 accredited Quality Management System. Every batch is tested in a quality control laboratory and released for use only when it meets the high standards associated with all Rocol products.

Trusted across the globe

From leading names in aerospace to household food brands, Rocol products are used by companies around the world to provide performance improvements including life cycle cost reduction, reducing and improving Mean Time Between Failures, and Total Cost of Ownership of a lubricant maintenance programme.

Find out more

ROCOL high performance products are available through our trusted partner, RS Components. Ask your representative for more information about Rocol's SELECT package.

500,000+ Treston workbenches in use worldwide



The Treston Workshop workbench

is a sturdy model that can withstand the heavy wear and tear of heavy industry. It is a good choice for workshops, automotive and other repair shops, maintenance units, and challenging environments in which chemicals or heavy loads are handled on a daily basis.



The Treston TP workbench

is a solid, standard industrial workbench that is suitable for various industrial tasks and environments. A cost-effective alternative that is also easy to customise using the wide range of accessories and add-ons.



The Treston TPB packing bench

is a well-thought-out, safe, and easy all-in-one solution. There is a wide range of accessories and add-ons available for the standard bench package. Designed with ergonomics in mind: all the packaging materials are within easy reach. Suitable for use in dispatch departments, web shops, and logistics centres.

We create workspaces for people.

TRESTON



PROCELL®

PROFESSIONAL BATTERIES

PROCELL ALKALINE

Completely redesigned for longer lasting*, consistent performance.

Procell® professional batteries are launched to exclusively serve the professional battery market, as the replacement for Industrial by Duracell®, also known as IBD.

Procell® Alkaline batteries are completely redesigned to deliver consistent, reliable longer lasting* performance in professional devices such as flushometers, automatic taps, thermostats, bluetooth trackers, laser meters and many more.

Manufactured using superior cell design* to ensure high-quality cell construction. Each battery comes with a 'quality warranty'. Design, safety, manufacturing, and qualification follow Procell's stringent battery standards, which incorporate parts of the ANSI and IEC battery standards. Operating temperatures from -20°C. to 54°C.

RS Stk No.	Size	Pack
192-4384	AA	10
192-4385	AAA	10
192-4386	C	10
192-4387	D	10
192-4388	9V	10
192-4390	AA	638

Available in AA / AAA / C / D / 9V / CR123

*vs prior Industrial by Duracell

FOR GENERAL PURPOSE



Precision balance

The standard in the laboratory

- PRE-TARE function for manual subtraction of a known container weight
- Freely programmable weighing unit
- Recipe function to weigh the different ingredients of a mixture
- Plus/minus weighing procedures



Model	Model	Weighing capacity [Max]	Readability [d]	Price excl. of VAT R
KERN	RS	g	g	
PCB 250-3	670-0721	250	0,001	8 408.32
PCB 2500-2	670-0734	2500	0,01	8 244.27
PCB 6000-1	700-7115	6000	0,1	7 126.29
PCB 6000-0	700-7106	6000	1	4 132.12

Platform scales

Precision industrial scale with laboratory accuracy

- User guidance step by step on display by Yes/No dialogue
- Numerical subtraction of tare weight for known container weight
- Precise counting
- Freely programmable weighing unit



Model	Model	Weighing capacity [Max]	Readability [d]	Price excl. of VAT R
SAUTER	RS	kg	g	
DS 16K0.1	667-7637	16	0,1	15 445.44
DS 20K0.1	153-3273	20	0,1	18 533.98
DS 30K0.1L	153-3275	30	0,1	23 323.11

Ultrasonic thickness gauge

Hand-held thickness gauge

- External sensor
- Scan mode or single point measuring mode possible
- Internal memory for up to 20 files
- Selectable measuring units: mm, inch



Model	Model	Measuring capacity Puls-Echo	Readability [d]	Price excl. of VAT R
SAUTER	RS	mm	mm	
TN 230-0.01US.	685-0918	1,2-200	230 0,01	0,1 18 312.73
TN 230-0.1US.	685-0909	1,2-230	0,1	16 597.51

KERN®

Analytical balance

The price leader in analytical balances

- Adjusting program CAL for quick setting of the balance accuracy using an external test weight
- Level indicator and levelling feet for precise levelling of the scale
- Large glass draught shield with 3 sliding doors
- Simple and convenient 6-key operation



Model	Model	Weighing capacity [Max]	Readability [d]	Price excl. of VAT R
KERN	RS	g	mg	
ADB 100-4A	201-0983	120	0,1	17 735.56
ADB 200-4A	201-0984	210	0,1	18 181.00

Pallet scale

Pallet scale with steel load support (IP67) and the best price-to-performance ratio

- High mobility thanks to battery operation
- Can be easily transported and does not require much storage space
- Steel, powder coated, 4 silicone-coated aluminium load cells, protection against dust and water splashes IP67



Model	Model	Weighing capacity [Max]	Readability [d]	Price excl. of VAT R
KERN	RS	kg	g	
UIB 600K-1	181-1196	600	200	40 850.95
UIB 1.5T-4	181-1197	1500	500	40 850.95

Stereo microscope set

Predefined stereo microscope set for greater flexibility at the workstation

- The 4,5W-LED ring lighting guarantees the very best illumination of your sample
- The zoom objective offers you continuous magnification from 7x-45x
- The universal telescopic arm stand gives you a high level of flexibility



Model	Model	Tube / Description	Price excl. of VAT R
KERN	RS		
OZL 961	136-3513	Binocular	29 689.86
OZL 963	136-3514	Trinocular	31 746.23
OZB-A45 15UK	182-6531	Dual fiber Unit LED	4 034.84

Accessory OZB: The illumination is individually focusable and adjustable. Punctual or scattered radiation enables the optimal illumination.