Industrial Manufacture

Industrial manufacturing

The industrial sector includes various subsectors, including: Food and beverage, plastics and consumer goods, packaging, printing and papermaking, mining and aggregate, offshore and offshore industries, transportation and automotive, chemicals and pharmaceuticals.

Common industry requirements

1. Reducing downtime
2. Maintenance cost reduction
3. Energy management

Application & Solution

1 Reducing downtime:

Many test & measurement products are exposed to harsh environments, and the right choice of products may have effect on their performance and reliability.

Solution:**Focus on High-Protection Sensor Products**

RS operates a selection of products with IP67/69K (high-pressure washing) protection and/or stainless steel body, providing greater protection and reliability in flushing environments.

2 Maintenance cost reduction:

Having machinery fully operational in industry is paramount. The machinery's warranty often covers replacement parts over the intial lifespan, but once outside, the mix of usage of component brands across the production line creates a purchasing difficulties and additional maintenance cost.

Solution:**Product Brand Consolidation**

With the support of various key brands, RS can help you to consolidate the brands used within your machinery and offer advice and how machine reliability and productivity can be improved

3 Energy management:

Knowing how much electrical energy is used by different parts of your process will enable energy efficiency measures to be implemented.

Solution:**Local Power Monitoring**

RS has a range of kWh meters and power meters which can be easily retrofitted to provide a local indication of power usage. The range includes a variety of capabilities from simple local kWh measurement to power factor and ThD monitoring and full Ethernet remote data access.

Key technology

Sensor products

RS has a large inventory of sensors and converters for a wide range of industrial applications.
RS products cover a wide range of applications including proximity, ultrasonic, photoelectric, laser, optical fiber, temperature, pressure, fluid, vision, weight, etc.

Sensor														
Brand	Inductive	Capacitive	Ultrasonic wave	Photoelectric	Laser	Optical fiber	Magnetic	Temperature	Pressure	Rotary and linear encoder	Fluid	Liquid level	Vision	Weight/ Mass
Pepperl & Fuchs	✓	✓	✓	✓	✓	✓	✓							
Sick	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	
Omron	✓	✓		✓	✓	✓						✓	✓	
Telemecanique	✓	✓	✓	✓	✓	✓			✓					
ifm electronic	✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	
Baumer	✓	✓	✓	✓	✓	✓	✓			✓				
Balluff	✓	✓	✓	✓			✓			✓				
Druck														
Gems														
Cynergy3														
Kubler/Hengslter										✓				
Honeywell			✓				✓	✓	✓		✓	✓		
VEGA									✓			✓		
Siemens											✓	✓		
Emerson Mobrey												✓		
Tedea Huntleigh														✓
RS Pro	✓	✓		✓			✓	✓	✓	✓	✓			

Product picture	Category	Brand	Product description	RS inventory No.
	Temperature sensor accessories	RS PRO	RS PRO Thermocouple Connector, Used for K-Type Thermocouple, Connector Size: Miniature, IEC, -35°C ~ 220°C	4559764
			RS PRO Thermocouple Connector, Used for K-Type Thermocouple, Connector Size: Miniature, IEC, -35°C ~ 220°C	4559758
			RS PRO Thermocouple Connector, Used for K-Type Thermocouple, Connector Size: Miniature, IEC, -35°C ~ 220°C	3817435
			RS PRO Thermocouple Connector, Used for K-Type Thermocouple, Connector Size: Miniature, IEC, -35°C ~ 220°C	4559786
			RS PRO Thermocouple Connector, Used for K-Type Thermocouple, Connector Size: Standard, IEC, -35°C ~ 220°C	3629991
	Thermocouple and extension wire	RS PRO	RS PRO Thermocouple Temperature Measuring Line, K-Type Thermocouple, Working Temperature Range: -75 → +250°C, 25 m (L), 1 Core, No Shielding	3630389
	Thermocouple	RS PRO	RS PRO Thermocouple, K-Type, 1m (L) Probe, Small Plug End, Probe Diameter: 1/0.2mm, Temperature Induction: -75°C~+250°C	3630250
			RS PRO Thermocouple, K-Type, Stainless Steel Probe, Cable End Type, Probe Diameter: 6mm, Temperature Induction: -50°C~350°C	6212271
			RS PRO Thermocouple, K-Type, Cable End Type, Probe Diameter: 0.3mm, Temperature Induction: -50°C~+400°C	6212170
			RS PRO Thermocouple, K-Type, 2m (L) Probe, Small Plug End, Probe Diameter: 1/0.2mm, Temperature Induction: -60°C~+350°C	3630294
			RS PRO Thermocouple, K-Type, Cable End Type, Probe Diameter: 0.6Mm, Temperature Induction: -50°C~+250°C	6212158
	Proximity switch	RS PRO	RS PRO Inductive Sensor, Thread Size M12 X 1, Cylinder, Detection Range: 8 mm, Output Type: PNP-NO	0208257
		Sick	Sick Inductive Sensor, Thread Size M12 X 1, Cylinder, Detection Range: 4 mm, Output Type: PNP-NO	6956729
		Telemecanique Sensors	Telemecanique Sensors Inductive Sensor, Thread Size M12 X 1, Cylinder, Detection Range: 4 mm, Output Type: PNP-NO	7033713
			Telemecanique Sensors Inductive Sensor, Thread Size M8 X 1, Cylinder, Detection Range: 2.5 mm, Output Type: PNP-NO	4443265
	Photoelectric sensor	Omron	Omron Optical Fiber Sensor, PNP Output, Red LED, 12 → 24 V DC	4730957
	Photoelectric sensor accessories	Telemecanique Sensors	Telemecanique Reflective Tape XUZB05, Used for XU Series	3241614
	Photoelectric sensor	Panasonic	Panasonic Photoelectric Sensor, EX10 Series, Block, Backward Reflection, Output Type PNP-NO, Detection Range 2 to 25 mm	3615554
		Omron	Omron Photoelectric Sensor, Fork, Straight Beam (Fork), Output Type: NPN, Detection Range: 5 mm	2192280
	Sensor, switch cables and connectors	Telemecanique Sensors	Telemecanique Sensors Cable and Connector, M12, 4 Needles, Female, Used for Inductance Proximity Sensors	6122235
		Omron	Omron cables and connectors	2192454
	Sensors and magnetic switches	Assemtech	Assemtech Magnet, Rectangular, Proximity Switch, 30 x 7 x 20 mm	2897812
		ZF	ZF Proximity Switch, Rectangular, Magnetic Proximity Sensor, 28.58 x 19.1 x 6.35 mm	7659331
		RS PRO	RS PRO Magnet, Rectangular, Magnetic Proximity Switch, 38 x 25 x 10 mm	0339768
			RS PRO Magnet, Rectangular, Proximity Switch, 32 x 8 x 15 mm	3614927
	Sensor tester	RS PRO	RS PRO Sensor Tester, 18 V DC, 35 mA Rated Current, Used for Proximity Switch	8399875
		Proxistor	Proxistor Sensor Tester, 24 V DC, 100 mA Rated Current, Used for Proximity Sensor	4139815

Product picture	Category	Brand	Product description	RS inventory No.
	Temperature controlled switch	Honeywell	Honeywell Temperature Controller, 0 ~+150°C, Single-Pole Single Throw, NC, Rated at: 15A, Fast End, Bimetal	0339308
			Honeywell Temperature Controller, Single-Pole Single Throw, NC, Rated at: 10 → 15 A, Fast End, Bimetal	0331528
			Honeywell Temperature Controller, 0 ~+260°C, Single-Pole Single Throw, NC, Rated at: 15A, Fast End, Bimetal	2282529
			Honeywell Temperature Controller, 0 ~+150°C, SPST-NO, Rated at: 10 A, Bonding Pad End, Bimetal	2282557
			Honeywell Temperature Controller, SPST, Rated at: 10 A, Bonding Pad End, Bimetal	2282658
			Honeywell Temperature Controller, 0 ~+150°C, NC, Rated at: 10 A, Fast End, Bimetal	0339314
			Honeywell Temperature Controller, 0 ~+150°C, NC, Rated at: 10 A, Bonding Pad End, Bimetal	2282636
			Honeywell Temperature Controller, 0 ~+186°C, NC, Rated at: 10 A, Bonding Pad End, Bimetal	2295890
			Honeywell Temperature Controller, 0 ~+260°C, NC, Rated at: 10 A, Bonding Pad End, Bimetal	2282541
	Reed switch	RS PRO	RS PRO, Rectangular, CO Reed Switch, 400 mA, 175V	8110748
			RS PRO, Flat, CO Reed Switch, 2 A, 400V	0339752
		Assemtech	Assemtech S1366, Rectangular, Regular On, Reed Switch, 500 mA, 240V	2897799
			Assemtech MMPSA 240/100, Rectangular, Regular On, Reed Switch, 500 mA, 400V	6138195

Key technology

Industrial control and relay

A large number of buttons, limit switches, control stations, isolators, contactors, and industrial relays are used in industrial line control systems and in the final product. You can find all these products in RS.

Industrial control						
Brand	Contactor/thermal relay	Button	Isolation switch	Cam switch	Motor starter	Limit switch
Schneider Electric	✓	✓	✓	✓	✓	✓
ABB	✓	✓	✓	✓	✓	
Siemens	✓	✓	✓		✓	✓
Eaton	✓	✓	✓	✓	✓	✓
Rockwell/Allen Bradley	✓	✓	✓		✓	
Lovato	✓	✓			✓	
Kraus&Naimer			✓	✓		
Honeywell						✓
Baco		✓	✓			
Bartec		✓	✓			
Craig&Derricot		✓	✓			
Socomec			✓			
RS Pro		✓			✓	

Relay		
Brand	Electromechanical relay	Solid-state relay
Crouzet		✓
Sensata / Crydom		✓
Finder	✓	✓
Omron	✓	✓
RS Pro	✓	✓
TE Connectivity	✓	
Schneider Electric	✓	✓
Phoenix Contact	✓	✓

Product picture	Category	Brand	Product description	RS inventory No.
	Contactor	Allen Bradley	Allen Bradley Contactor, 700C Series, 24 V DC Coil, 25A, 4, Minimum Working Temperature: -25°C, 700 Series	7768494
		Eaton	Eaton Contactor, DILEM Series, 24 V DC Coil, 9 A, 3, Minimum Working Temperature: -25°C, 3 NO Contacts	4679341
		Lovato	Lovato Contactor, BF Series, 230 V AC Coil, 25 A, 3, Minimum Working Temperature: -50°C, Orange, 3 NO Contacts	6851444
		Schneider Electric	Schneider Electric Contactor, LC1D Series, 220 V AC Coil, 32 A, 3 Made in China, TeSys D, 3 NO Contacts	7430938
		Siemens	Siemens Contactor, 3RT1 Series, 24 V DC Coil, 9 A, 3, Minimum Working Temperature: -25°C, SIRIUS Classic	2436631
	Button switch	Schneider Electric	Schneider Electric Button, Harmony XB4 Series, Green, 22mm, Panel Mounting, NO	3308638
			Schneider Electric Button	6419309
	Button head	Eaton	Eaton Button Switch Head, M22 Series, 22mm Diameter, Red Button, Mushroom-Shaped	4676134
	Contact switch module and button seat with lamp	BACO	BACO Contact Block, Contact Block, 1 NC, Screw End	0260154
		Eaton	Eaton Button Seat with Lamp, RMQ Titan Series, Lighting Block, White, 12 → 30V AC/DC, LED, Screw End	3993630
	Emergency stop button	Schneider Electric	E Stop 40mm Trig Act Turn Rel Red 1NO1NC	4258449
			Schneider Electric Emergency Button, Harmony XB4 Series, Section Diameter 22mm, Red, Head Diameter 40mm	3309388
	Micro-switch	Crouzet	M/Sw 83137 SPCO quick-conn Wire act	0539309
	Solid-state relay	Sensata / Crydom	Sensata/Crydom Solid State Relay, Maximum Load Current 25 A rms, Maximum Load Voltage 280 V, Virtual Value, Surface Mounting, SCR Output	0346918
			Sensata/Crydom Solid State Relay, Maximum Load Current 40 A, Maximum Load Voltage 100 V, Surface Mounting, MOSFET Output	2002064
	Interface relay module	Finder	Finder Interface Relay Module, 38 Series, SPDT Contact, Coil Voltage 24V DC, 6A DIN Guide	3864419
		Phoenix Electric	Phoenix Contact Interface Relay Module, PLC-RSC Series, SPDT Contact, Coil Voltage 24V DC, 6A	3588301
	Control relay	Broyce Control	Broyce Control Monitoring Relay, L-Series, Used for Phase and Voltage Monitoring, 280 → 520 V AC	8505370
	Intermediate relay	Finder	Finder Intermediate Relay, 34 Series, 24V DC Coil Voltage, SPDT, 6A Switching Current, PCB Mounting	4572846
			Finder Intermediate Relay, 55 Series, 24V DC Coil Voltage, 4PDT, 7 A Switching Current, Plug-In Mounting	0385929
		Omron	Omron Intermediate Relay, MY, 24V DC Coil Voltage, DPDT, 10 A Switching Current, Plug-In Mounting	4881960
			Omron Intermediate Relay, MY, 24V DC Coil Voltage, DPDT, 10 A Switching Current, Plug-In Mounting	4882610
		Schneider Electric	Schneider Electric Intermediate Relay, 24V DC Coil Voltage, DPDT, 12 A Switching Current, Plug-In Mounting	8841278
		TE Connectivity	TE Connectivity Intermediate Relay, PT, 24V DC Coil Voltage, 4PDT, 6 A Switching Current, Plug-In Mounting	3340020
			TE Connectivity Intermediate Relay, MT, 24V DC Coil Voltage, 3PDT, 10 A Switching Current, Plug-In Mounting	2565155
	Relay socket	Finder	Finder Relay Socket, 95 Series, Suitable for Various Series, 250V AC Voltage, Screw Mounting	4009130
			Finder Relay Socket, 93 Series, Suitable for 34.81, 34.51 Series Relays, 250V AC Voltage, 5 Contacts	6668093
		Omron	Omron Relay Socket, Suitable for Various Series, 250V AC Voltage, 2 Contacts	0803376
			Omron Relay Socket, Suitable for Various Series, 250V AC Voltage, 4 Contacts	0403285
			Omron Relay Socket, Suitable for Various Series, 240V AC Voltage, 8 Contacts	0329884
			Omron Relay Socket, Suitable for LY4, LY4-D, LY4F, LY4N, LY4N-D2 Series, 110V AC Voltage, 14 Contacts	0329890
			Omron Relay Socket, Suitable for G2R-2-S Series Relays, 250V AC Voltage	0353966

Key technology

Motor and control

Many parts of the industry require motion driven by motor, which combines in panel control via a variable speed drive, soft start or DC speed controller, and the AC or DC motor on the machine.

Circuit protection

RS offers a wide range of circuit protection and circuit breakers, where you will find leading brands such as Schneider Electric, Siemens and ABB.

Motor-AC/DC		
Brand	DC motor	AC motor
ABB		✓
Crouzet	✓	
DOGA		✓
Maxon	✓	
Panasonic	✓	✓
Parvalux	✓	✓
Portescap	✓	
RS Pro	✓	
Siemens		✓
TECO		✓

Motor control		
Brand	Frequency converter	DC speed controller
ABB	✓	
Allen Bradley(Rockwell)	✓	
Eurotherm		✓
Eaton	✓	
Mitsubishi	✓	
Omron	✓	
RS Pro		✓
Schneider Electric	✓	
Siemens	✓	
Sprint Electric		✓

Motor control		
Brand	Frequency converter	DC speed controller
ABB	✓	✓
Eaton		✓
Schneider Electric		✓
Siemens		✓
Bussmann	✓	
RS Pro	✓	✓

Product picture	Category	Brand	Product description	RS inventory No.
	DC gear motor	Crouzet	Crouzet DC Gear Motor, 24 V DC, 54 RPM Output, Brush-Type	1784995
		Crouzet	Crouzet DC Gear Motor, 24 V DC, 13 RPM Output, Brush-Type	1785011
		McLennan Servo Supplies	McLennan Servo Supplies DC Gear Motor, 12 V DC, 9 RPM Output	2456118
		RS PRO	RS PRO DC Gear Motor, 24 V DC, 80 RPM Output, Brush-Type	9013317
			RS PRO DC Gear Motor, 24 V DC, 23 RPM Output, Brush-Type	9013320
			RS PRO DC Gear Motor, 24 V DC, 75 RPM Output	2588316
			RS PRO DC Gear Motor, 24 V DC, 30 RPM Output	2588344
			RS PRO DC Gear Motor, 24 V DC, 155 RPM Output, Brush-Type	9013314
			RS PRO DC Gear Motor, 24 V DC, 9 RPM Output, Brush-Type	9013323
	DC motor	Faulhaber	Faulhaber 2232 Series DC Motor, 12 V DC, Brushless, Rated Current 1 A', Rated Power 8.8 W, 14.7 mNm	8734818
		Maxon	Maxon 2232 DC Motor, 12 V DC, Brushless, Rated Current 2.14 A', Rated Power 30 W, 59 mNm	4205192
	Servo motor	RS PRO	RS PRO 30W Servo Motor, 27 Ncm Torsion, 24 V DC, 12 Nm, 1600 rpm	2635995
	Stepping motor	McLennan Servo Supplies	McLennan Servo Supplies 1.8° Unipolar, Hybrid, Permanent Magnet Stepper Motor 23HSX-306, 8-Wire, 1.25Nm, 70V DC	3403733
	Transmission	McLennan Servo Supplies	McLennan Servo Supplies 5:1 Gear Transmission, MRIG02 (5:1), Max Torque 1.5 Nm	0718852
		Trident Engineering	Trident Engineering 160:1 Oval Transmission, RG1/8.0160, 4mm Spindle Diameter	0336258
	Frequency converter	Mitsubishi	Mitsubishi Inverter, FR-D720S Series, 0.2 kW, 230 V AC, IP20, 0.2 → 400Hz, 1.4 A	7673043
			Mitsubishi Inverter, FR-D720S Series, 0.4 kW, 230 V AC, IP20, 0.2 → 400Hz, 2.5 A	7673046
		Siemens	Siemens Inverter, MICROMASTER 440 Series, 0.75 kW, 230 V AC, IP20, 0 → 550Hz, 8.2 A	4659987
			Siemens Inverter, SINAMICS G110 Series, 0.75 kW, 230 V AC, IP20, 0 → 550Hz, 10 A	5052090
	EMI filter and accessories	Omron	Omron EMI Filter, 10 A, 200 V AC, 0.4 kW, 169 x 71 x 45 mm, Used for MX2 Series	7051780

Key technology

Process control (PLC, HMI, Data Acquisition and Temperature Control)

PLC, HMI, data acquisition and temperature control can control almost all processes in industry – either individual standalone machines or an entire production line.

Box body and guide rail terminal

RS provides a complete range of metal and plastic boxes for electrical and industrial applications, as well as common rail terminals in boxes.

PLCs, human-machine interface, industrial data exchange			
Brand	PLC	Human-machine interface	IPC
Siemens	✓	✓	✓
Schneider Electric	✓	✓	
Allen Bradley/Rockwell	✓	✓	
Mitsubishi	✓	✓	
Omron	✓	✓	
ABB	✓		✓
Phoenix Contact			✓
Crouzet	✓	✓	
Eaton	✓	✓	
Harting			✓
Insys iCom			✓

Temperature control	
Brand	Temperature control
ABB	✓
CAL Controls	✓
Carel	✓
Eurotherm	✓
Fuji	✓
Jumo	✓
Omron	✓
Panasonic	✓
RS Pro	✓
West Instruments	✓

Box body and guide rail terminal		
Brand	Box	Guide terminal
Phoenix Contact		✓
Weidmuller		✓
Wago		✓
Rose/Bopla		✓
Rittal		
Fibox		
Bartec	✓	✓
RS Pro	✓	✓

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	PLC, HMI and data acquisition	PLC CPU	Siemens	Siemens PLC CPU, SIMATIC S7-200 Series, Used for SIMATIC S7-200 Sseries, 40 I/O Port	7457872
				Siemens PLC CPU, S7-1200 Series, Used for SIMATIC S7-1200 Sseries, 14I/O Port, 1 MB Memory, Ethernet	8624474
		Logic module	Crouzet	Crouzet Logic Module, in Series, USB, 2 Ports, Relay Output, 8x Input, 4x Output, 24V DC, Logic Control Module	5368890
			Mitsubishi	Mitsubishi Logic Module, Relay Output, 15x Input, 9x Output, 24 V DC, 124.6 x 90 x 52 mm, Logic Control Module	4420802
			Siemens	Siemens Logic Module, Ethernet Communication Port Type, 1 Port, Relay Output, 8x Input, 4x Output	1653226
		PC data acquisition	Brainboxes	Brainboxes, Used for Ethernet, Ethernet Media Converter, RS-485, RS-422, RS-232, 2 Input, Compatible with Linux, Windows	7898116
			Weidmuller	Weidmuller, Used for Ethernet, Unmanaged Ethernet switch, Ethernet	8936796
		PC data acquisition accessories	Brainboxes	Brainboxes Adapter US-101, Used for RS232 Networks	6883321
				Brainboxes Industrial Interface Converter ES-522	7690506
			Phoenix Contact	Phoenix Contact Ethernet Switch 2891002, Used for Ethernet Network	7124049
		PLC Accessories	Siemens	Siemens Cable 6ES7901-3DB30-0XA0, Used for 6ES Series	4685835
				Siemens Connector 6ES7392-1AM00-0AA0, Used for SIMATIC S7-300 Series	4532589
		IOT Development Suite	Siemens	Siemens Intelligent Gateway 6ES7647-0AA00-0YA2, Intel Quark x 1000 (x86 400 MHz) Chip, Arduino, Yocto Linux System	1244037
		PLC I/O Module	Siemens	Siemens SIMATIC ET 200S Series PLC Input/Output Modules 6ES7132-4BF00-0AA0, 8x I/O, 500 mA, 24 V DC, 81 x 15 x 52 mm	6623592
		Digital Keyboard, HMI Display	Beijer Electronics	Beijer Electronics E10 Series STN HMI Panel E1012, 160 x 32 Pixels, Digital Keyboard, 3 Ports, 24 V DC	1233857
	Connection row and DIN guide terminal	DIN guide terminal accessories	Phoenix Contact	Phoenix Contact Terminal Card, E/UK Series, Terminal Clamp, ATEX, Used for NS 32 or NS 35/7.5 DIN Guide	1012723
				Phoenix Contact Jump, Jump	6879792
				Phoenix Contact End Bracket, E/NS 35N Series, End Clamp, Used for DIN Guide Terminal	8039481
				Phoenix Contact End Cover, D-UK4/10 Series, End Plate, ATEX, Used for Terminal Block	4843687
				Phoenix Contact End Bracket, CLIPFIX Series, Terminal Bracket, ATEX, Used for Terminal Block	6273383
				Phoenix Contact End Cover, D-UT 2.5/10 Series, End Plate, Used for Terminal Block	6273973
				Phoenix Contact Jump, FBS5-5 Series, Jump	6879805
				Phoenix Contact Jump, Jump	6879802
			RS PRO	RS PRO Terminal, 2005.2 Series, Screw Downward Terminal	8725637
			Wago	Wago Terminal, 249 Series, Terminal, Used for Terminal Block	7960460

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	Connection row and DIN guide terminal	DIN guide terminal accessories	Weidmuller	Weidmuller Installation Leg, FM 4 Series, Installation Leg, Used for Terminal Block	2864250
				Weidmuller End Bracket, EW Series, End Bracket, ATEX, Used for Terminal Block	0425314
				Weidmuller Installation Leg, FM 5 Series, Installation Leg, Used for Terminal Block	2864238
				Weidmuller End Plate, W Series, End Plate, ATEX, Used for Terminal Block	0425291
		Grounding block	Phoenix Contact	Phoenix Contact Ground Terminal Block, Green/Yellow, 2-way, DIN Guide, Screw Tightening End Connection, 24 → 10 AWG	4629188
		Fuse-free DIN guide terminal	Phoenix Contact	Phoenix Contact Standard Din Guide Terminal, UK Series, Single Layer, 24 → 12 AWG, 24A	7767823
				Phoenix Contact Standard Din Guide Terminal, UK3 N Series, Single Layer, 24 → 12 AWG, 32A	7767826
				Phoenix Contact Feed-Through Terminal Block, UT Clipline Series, Single Layer, 26 → 12 AWG, 24A	6273737
				Phoenix Contact Standard Din Guide Terminal, UK 5 N Series, Single Layer, 24 → 10 AWG, 32A	1012789
			Weidmuller	Weidmuller Feed-Through Terminal Block, WDU Series, Single Layer, 30 → 12 AWG, 32A	0425190
	Temperature control and process heating	PID thermostat	CAL	CAL 3200 Series, Multiple Temperature Ranges Optional, PID Temperature Controller 320000, 48 x 24 (1/32DIN) mm, 90 → 264 V AC	0730004
				CAL 9900 Series, Multiple Temperature Ranges Optional, PID Temperature Controller 991.12C, 48 X 48 (1/16 DIN) mm, 230 V AC, 2 Output	0354925
				CAL 9900 Series, Multiple Temperature Ranges Optional, PID Temperature Controller 992.22C, 48 X 48 (1/16 DIN) mm, 230 V AC, 2 Output	0354969
				CAL 3300 Series, PID Temperature Controller 330000000, 48 X 24 (1/32 DIN) mm, 100 V AC, 240V DC, 2 Output	3121784
				CAL 9500 Series, PID Temperature Controller 95001PA000, 48 X 48 (1/16 DIN) mm, 100 V AC, 240V DC, 2 Output	3488863
				CAL 3300 Series, PID Temperature Controller 330000030, 12 → 24 V AC/DC, 2 Output	5118897
			Carel	Carel IR33 Series, Multiple Temperature Ranges Optional, PID Temperature Controller IR33W7LR20, 76.2 x 34.2mm	7457958
			Eurotherm	Eurotherm 2200 Series, Multiple Temperature Ranges Optional, PID Temperature Controller 2216e/CC/VH/ LH/XX/XX, 48 x 48 (1/16 DIN)mm	2082773
		Silicone heating pad	RS PRO	RS PRO XXX1.25 W 25 x 50 mm Rectangular Silicone Heating Pad, Peak Temperature +300°C, 12 V DC	0245499
				RS PRO 2.5 W 50 x 50mm Rectangular Silicone Heating Pad, Peak Temperature +300°C, 12 V DC	0245506
				RS PRO 5 W 50 x 100mm Rectangular Silicone Heating Pad, Peak Temperature +300°C, 12 V	0245528
				RS PRO 150 W 150 x 300mm Rectangular Silicone Heating Pad, Peak Temperature +300°C, 30V DC	0731388
		Heating tube	RS PRO	RS-Pro Tube Heater, Diameter 3/8in x Length 1.5in , 200 W, 220 V AC	8607075
				RS PRO Tube Heater, Diameter 10 mm x Length 40mm, 200 W, 220 V AC	8606909
		Ceramic heating element	RS PRO	RS PRO Ceramic Heating Element, 245 mm (L), 1 kW, 230 V AC	1966484
		Temperature control module	CAL	CAL CAL Series, Temperature Control Module 3C0000400	3121813

Key technology

Power management

RS Components are provided with a variety of power sources and can be used in different installation systems, which means that you will be able to find power sources for any industrial, automated or electronic applications.

Power management						
Brand	DC-DC			AC-DC		
	Isolated	Non-isolated	Switch regulator	Switch power	Embedded linear power supply	Desktop PC power supply
TRACOPOWER	✓		✓	✓		
XP Power	✓			✓		
Recom	✓	✓	✓	✓		
Murata Power Solutions	✓	✓	✓			
Mean Well	✓			✓		✓
Artesyn Embedded Technologies	✓	✓		✓		
Cosel	✓			✓		
TDK-Lambda	✓	✓		✓		
BEL POWER SOLUTIONS INC			✓	✓	✓	
OEP					✓	
Calex					✓	
EOS				✓		
RS PRO				✓	✓	✓

Din-Rail power supply	
Brand	Din-Rail power supply
Omron	✓
Phoenix Contact	✓
PULS	✓
RS Pro	✓
Siemens	✓
Schneider Electric	✓
Traco	✓
ABB	✓
RS PRO	✓

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	PSU power module	DIN rail and panel installation power supply	Chinfa	Chinfa Din-Rail Power Supply, DRA240 Series, Rated Power 240W, 10A Output	7894013
			Mean Well	Mean Well Din-Rail Power Supply, DR Series, Rated Power 120W, 5A Output	0282502
				Mean Well Din-Rail Power Supply, DR Series, Rated Power 15W, 630mA Output, 120 → 370 V DC, 85 → 264 V AC	7127408
				Mean Well Din-Rail Power Supply, MDR Series, Rated Power 20W, 1A Output, 120 → 370 V DC, 85 → 264 V AC	0428433
			Phoenix Contact	Phoenix Contact PSU, STEP-PS/1AC/24DC/1.75 Series, 1.75A Output AC, 230V AC	0540757
				Phoenix Contact PSU, QUINT-PS/1AC/24DC/20 Series, 20A Output AC, 230V AC	0540779
				Phoenix Contact PSU, QUINT-PS/1AC/24DC/40 Series, 40A Output AC, 230V AC	7080435
			PULS	PULS DIN Rail Power Supply, DIMENSION Q Series, Rated Power 240W, 10A Output, 85 →276 V AC, 88 → 187 V DC	5145574
				PULS DIN Rail Power Supply, MiniLine MLY Series, Rated Power 36W, 1.5A Output, 85→264 V AC, 85→375 V DC	4246272
				PULS DIN Rail Power Supply, DIMENSION C-Line Series, Rated Power 120W, 5A Output, 180 →264 V AC, 88 → 132 V DC	6276174
				PULS DIN Rail Power Supply, DIMENSION Q Series, Rated Power 480W, 20A Output, 85 →276 V AC, 88 → 187 V DC	6700677
				PULS DIN Rail Power Supply, MiniLine MLY Series, Rated Power 30W, 3A Output, 230V AC	4246266
				PULS DIN Rail Power Supply, DIMENSION C-Line Series, Rated Power 480W, 20A Output, 230V AC	7697424
			RS PRO	RS PRO DIN Rail Power Supply, Rated Power 70W, 3A Output, 230V AC	1368315
			Siemens	Siemens DIN Rail Power Supply, SITOP PSU8200 Series, Rated Power 480W, 20A Output, 120 → 230V AC	7141287
			TRACOPOWER	TRACOPOWER DIN Rail Power Supply, TPC Series, Rated Power 26W, 2.2A Output	8086645
				TRACOPOWER DIN Rail Power Supply, TPC Series, Rated Power 30W, 1.25A Output	8086649
			Phoenix Electric	Phoenix Contact PSU, QUINT-PS/1AC/24DC/5 Series, 5A Output AC, 230V AC	0540747
			Mean Well	Mean Well Din-Rail Power Supply, MDR Series, Rated Power 10W, 2A Output, 120 → 370 V DC, 85 → 264 V AC	7127402
		Embedded linear power supply	OEP	OEP Closed Embedded Linear Power Supply PS2127, 207 → 253V AC Input, ±15V DC Output, 500mA Output, 15W	4949151
				OEP Closed Embedded Linear Power Supply PS2126, 207 → 253V AC Input, ±12V DC Output, 400mA Output, 9.6W	4949145
				OEP Closed Embedded Linear Power Supply PS2125, 207 → 253V AC Input, 5V DC Output, 1A Output, 5W, 119 x 69 x 51.3mm	4949139
		Laptop power supply	Mean Well	Mean Well GST60A Series 60W Desktop PC Power Supply GS-T60A12-P1J	8808408
		Power accessories	TRACOPOWER	TRACOPOWER Common Mode Choke Coil, Used for TNH 15	7451187
		Switch power	TDK-Lambda	TDK-Lambda Switching Power Supply, Rated Power 180W, Output Voltage 5/+15/24V DC, 4 Output, 90 → 264V AC Input	5288227
			Artesyn Embedded Technologies	Artesyn Embedded Technologies Switching Power Supply, Rated Power 40W, Output Voltage 5/±15V DC, 3 Output	1830054
			Mean Well	Mean Well Switching Power Supply, Rated Power 15W, Output Voltage 5V DC, Single Output	0413673
			RS PRO	RS PRO Switching Power Supply, Rated Power 36W, Output Voltage 12V DC, Single Output, 88 → 264V AC Input, 3A Output, 86% Efficiency	7112614
				TRACOPOWER Switching Power Supply, Rated Power 35W, Output Voltage 5/12V DC, 2 Output, 85 → 264V AC Input, 2.5 A, 4 A Output	4666840
		Power accessories	TRACOPOWER	TRACOPOWER Heat Sink, Used for THN15, THN15WI, THN20, THN20WI	7451247
				TRACOPOWER Heat Sink, Used for TEN15, TEN20WIN, TEN20WIR, TEN30, TEN30WIN, TEN60, TEN60WIN	7451234

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	DC-DC converter	DCDC converter	Murata Power Solutions	Murata Power Solutions Switch Regulator OKI-78SR Series, 5V DC Output, Rated Power 7.5W	7962138
			Recom	Recom Switch Regulator, 3.3V DC Output, 4.75 32V DC Input, Rated Power 2.5W	5328044
			TRACOPOWER	TRACOPOWER Switch Regulator, TSR 1 Series, 5V DC Output, 6.5 → 36V DC Input, Rated Power 5W	6664379
		Isolated DC-DC converter	PULS	PULS Isolated DC-DC Converter, DIMENSION-CD Series, 18 → 32.4 V DC Input, 12V DC Output 96W, 8A Output	6700633
			Recom	Recom Isolated DC-DC Converter, ROE Series, 4.5 → 5.5 V DC Input, 5V DC Output 1W, 200mA Output	7773285
			TRACOPOWER	TRACOPOWER Isolated DC-DC Converter, TEN 5 Series, 18 → 36 V DC Input, 5V DC Output 6W, 1A Output	2932757
				TRACOPOWER Isolated DC-DC Converter, TEN 8 Series, 18 → 36 V DC Input, 5V DC Output 8W, 1.5A Output	4239634
	Power connector	DC power socket	Kycon	Kycon DC Power Socket KPJX Series Panel Mounting, Rated Current 7.5A, Rated Voltage 48 V DC KPJX-PM-4S, Tin-Plated Contacts	6677287

Key technology

Panel instruments, counters and timers

Panel meters are at the front line to find out how your process control machinery works. In our rich product range, you will find digital instruments, VU meters and power panel meters. RS Components are equipped with a large number of counters and timers.

Panel instruments, counters and timers				
Brand	Panel instrument	Counter	Timer	Power meter
ABB	✓		✓	✓
Baumer(IVO)		✓		
Brodersen			✓	
Broyce Control			✓	
Crouzet		✓	✓	
Finder			✓	✓
Grasslin			✓	
Hengstler		✓	✓	
HOBUT	✓			✓
Kubler	✓	✓		
Lascar	✓			
Lovato	✓			
Muller(Hugo Muller)			✓	
Omron	✓	✓	✓	
Phoenix Contact				✓
RS Pro	✓	✓	✓	
Socomec				✓
Schneider Electric			✓	✓
Siemens				✓
Timeguard/Theben			✓	

Product picture	大类	小类	品牌	产品描述	RS inventory No.
	Timer and counter	Counter	Hengstler	Hengstler Digital Counter, TICO 731 Series, Pulse, LCD, 8-bit, Maximum Counting Frequency 7.5 kHz	2274815
			Omron	Omron Counter, H7EC Series, LCD, 8-bit, Maximum Counting Frequency 1kHz	3481929
		Time relay	Brodersen Systems	Brodersen Systems Time Relay, XMW-D1 Series, 10.5 → 265 V AC/DC, Multifunctional	3080784
			Broyce Control	Broyce Control Time Relay, 12 → 230 V AC/DC, 7 Functions, Time Range 0.1 s→ 100 h	8285158
			Finder	Finder Time Relay, 80 Series, 12 → 240 V AC/DC, Multifunctional	4460327
		Hour counter	Hengstler	Hengstler Hour Counter, 891 Series, Counting 99999.99, Voltage Input	0260072
			Kubler	Kubler Hour Counter, HK 17.251 Series, Counting 99999.99, Voltage Input	3096098
			Kubler	Kubler Hour Counter, H 57 Series, Counting 99999.99, Voltage Input	2971178
			Muller	Muller Hour Counter, BW70 Series, Counting 99999, Voltage Input	2080345
			Muller	Muller Hour Counter, BW40 Series, Counting 99999, in 0.01H, Voltage Input	0854346
			Muller	Muller Hour Counter, BG 40 Series, Counting 999999, in 0.1H, Voltage Input	0331146
			Muller	Muller Hour Counter, BW70 Series, Counting 99999, Voltage Input	0313974
		Timing switch accessories	Omron	Omron Socket, Used for H3CR-A, H3CR-F, H3CR-G, H3CR-H Series	0329468
	Panel instruments and components	Shunt	Murata Power Solutions	Murata Power Solutions 50A Digital Shunt 3020-01096-0, 50mV Output, ±0.25 % accurate	8103267
			Murata Power Solutions	Murata Power Solutions 20 A Digital Shunt 3020-01098-0, 50mV Output, ±0.25 % accurate	8103270
		Digital panel voltmeter	Lascar	Lascar DPM 959B 3.5-bit LED DC Digital Voltmeter, 72 x 40 mm, 0°C~+50°C	4554450
	Display and industrial display	Framework for display	Murata Power Solutions	Murata Power Solutions DMS-BZL4-C seat ring, 32.51 x 46.38mm	2975114

Key technology

Signal regulating and monitoring relay

Temperature, voltage, current or frequency need to be monitored at the industrial site, and all signals need to be adjusted and converted, which can be found in RS.

Speaker and signal lighthouse

Speakers and signal lights promote safety and awareness in many industrial and commercial sectors, including construction, automotive and aviation. RS Components provides international and European guaranteed products to meet the needs of most applications, including fire alarm products, stack lights or tower lights.

Machine safety protection

From the machine protection and safety scope of RS Components, the product provides protection and safety equipment for all industries, including factory automation (food, beverage and pharmaceuticals) and process automation (utilities and mining). You will also find safety devices available such as mechanical and non-contact interlock switches, light curtains, safety relays, emergency stop buttons and pull ropes.

Signal regulating and monitoring relay		
Brand	Signal regulating relay	Supervision relay
ABB	✓	✓
Brodersen	✓	
Broyce Control		✓
Crouzet		✓
Dold		✓
MTL	✓	
Omron		✓
Phoenix Contact	✓	
PR Electronics	✓	
RS Pro	✓	✓
Schneider Electric		✓
Siemens	✓	✓
Weidmuller	✓	

Speaker and signal lighthouse		
Brand	Speaker	Signal lighthouse
Fulleon(Eaton)	✓	✓
E2S	✓	✓
Klaxon	✓	✓
Werma	✓	✓
Schneider Electric		✓
Cranford Controls	✓	✓
Moflash	✓	✓
RS Pro	✓	✓

Machine safety protection				
Brand	Safety relay	Safety carpet and blank holder	Safety light curtain	Safety switch
ABB(Jokab)	✓			✓
Allen-Bradley Guardmaster	✓	✓	✓	✓
Honeywell			✓	✓
Omron	✓		✓	✓
Phoenix Contact	✓			
Pilz	✓			✓
Schmersal	✓			✓
Sick	✓		✓	
Siemens	✓	✓	✓	✓
Smartscan			✓	
Telemecanique	✓		✓	✓
Wieland Electric	✓			

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	Speaker and signal lighthouse	Electronic speaker	Fulleon	Fulleon Electronic Speaker, Askari Panel Series, 50 mm, 9 → 28 V DC, White, 32 Tones	0626141
				Fulleon Electronic Speaker, ROLP Series, 93 mm, 9 → 28 V DC, Red, 32 Tones	5294430
				Fulleon Electronic Speaker, Roshni Series, 93 mm, 9 → 28 V DC, Red, 32 Tones	5294424
				Fulleon Electronic Speaker, Askari Panel Series, 50 mm, 9 → 28 V DC, 24 V AC, White, 32 Tones	0430091
				Fulleon Electronic Speaker, ROLP Series, 93 mm, 110 → 230 V AC, Red, 32 Tones	6867887
			Klaxon	Klaxon Electronic Speaker, Nexus 110 Series, 10 → 60 V DC, Red, 50 Tones	5394697
		Buzzer	Moflash	Moflash Buzzer, 24 V DC, Red, Panel Mounting, 40 mm in Diameter, 75 dB 1 m away	0245348
			Werma	Werma Buzzer, 24 V AC/DC AC/DC, Black, Panel Mounted, 28 mm in Diameter	3119107
		Warning light	Klaxon	Klaxon Warning Light, Flashguard Xenon Series, Red Lampshade, Maximum Temperature +40°C, 12 V DC, 24 V DC	3095764
				Klaxon Warning Light, Flashguard Xenon Series, Amber Lampshade, Maximum Temperature +40°C, 12 V DC, 24 V DC	3095944
				Klaxon Warning Light, Flashguard Xenon Series, Red Lampshade, Maximum Temperature +40°C, 12 V DC, 24 V DC	3095922
			Moflash	Moflash Warning Light, FF 201 Series, No Lampshade (Purchased Separately), 12 V DC, 24 V DC, Surface Mounting	2979908
				Moflash Warning Light, X 125 Series, No Lampshade (Purchased Separately), Maximum Temperature +55°C	6742028

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	Speaker and signal lighthouse	Alarm bell	Fulleon	Fulleon FB Series Red Electromagnetic Fire Alarm Bell FB/024/R, Single Tone, 95 dB1 m away, 24 V DC	5305940
		Siren	Klaxon	Klaxon Grey/Black Alarm SLB-0002, 230 V AC/DC, 127 dB 1 m away	0422321
		Sound-light alarm	e2s	e2s Sound-Light Alarm, SONFL1 Series, Red Lampshade, Flashing, Surface Mounting	6173558
			Fulleon	eFulleon Sound-Light Alarm, Flashni Series, Red Lampshade, Maximum 101dB, Flashing, Surface Mounting	5294474
			Werma	Werma Signal Light-Buzzer Combination, 150 Series, Red Lampshade, Static Light Effect, Panel Mounting	4668846
		Lamp, bulb and tube	Werma	Werma Transparent BA15d Incandescent Bulb 95584035, 24V	3147382
		Light cover	Moflash	Moflash 50064RS Amber Lenses, Used for 88, 98, 201/200, 401/400 8501/500 Series	2869025
	Machine Protection and Safety	Safety standard interlock switch	Allen Bradley	Allen Bradley Guardmaster Trojan 5 440K Series Safety Interlock Switch 440K-T11090, Glass Fiber Shell, 2 NC/1 NO	0178181
			Schmersal	Schmersal AZ16 Series Safety Interlock Switch AZ16ZVRK-M20, Glass Fiber Shell, 1NC/1NO	6232988
		Safety relay	ABB	ABB Safety Relay, RT7A Series, Single or Dual Channel, Beam/Curtain Wall, Safety Pad/Contact, Safety Switch/Interlocking Function	7332373
				ABB Safety Relay, RT7B Series, Single or Dual Channel, Beam/Curtain Wall, Safety Pad/Contact, Safety Switch/Interlocking Function	7332360
			Schneider Electric	Schneider Electric Safety Relay, XPS AF Series, Single or Dual Channel, Safety Switch/Interlocking Function	3604346
			Pilz	Pilz Safety Relay, PNOZ X3 Series, Dual Channel, Safety Switch/Interlocking Function, 24 V AC/DC	2451848
			Schmersal	Schmersal Safety Relay, SRB 301MC Series, Single or Dual Channel	7418650
		Non-contact safety switch	ABB	ABB, Safety Switch, Adam 2TLA Series, Eden Range, Coding, Magnetic Sensor, Plastic Shell, 24 V DC	7332430
				ABB, Safety Switch, Eva 2TLA Series, Eden Range, Coding, Plastic Shell, 24 V DC	7332458
			Omron	Omron, Safety Switch, Adam F3S-TGR-N Series, Coding, Magnetic Sensor, Plastic Shell, 24 V DC, Rectangle	7467328
			Pilz	Pilz, Safety Switch, PSENmag Range, Magnetic Sensor, Plastic Shell, 24 V DC, Square	6192818
			Schmersal	Schmersal, Safety Switch, Adam BNS33 Series, Coding, Magnetic Sensor, Plastic Shell, 24 V DC	6233133
		Emergency stop button	ABB	ABB, Emergency Button, 2TLA Series, Red, Head Diameter 32.5mm	7332492
		Machine protection accessories	Honeywell	Honeywell GKZ52M Actuator, Oblique Angled, Used for GKM Safety Switch	0147528
			Omron	Omron D4DS-K2 Plastic Actuator, Oblique Angled, Used for D4NS Safety Switch	0549514
			Allen Bradley	Allen Bradley Guardmaster 440G-A27011 Actuator, Standard, Used for TLS-GD2 Interlock Safety Switch	3513874
			Schmersal	Schmersal AZ 15/16-B1 Actuator, Standard, Used for AZ 15 Interlock Safety Switch	6233234
				Schmersal BPS 33 Actuator, Magnetic, Used for BNS 33 Safety Switch	1987863
				Schmersal AZ15/16-B2 Actuator, Small Radius B2, Used for AZ Safety Switch	2111562
				Schmersal AZ 15/16-B3 Actuator, Small Radius B3, Used for AZ Safety Switch	2111578

Key technology

Pneumatic and hydraulic products

From our comprehensive range of hydraulic and pneumatic products, you can find air preparation filters, hydraulic pumps, quick-connection connectors, sensors, instruments, and thoroughly clean environmental standard actuators from industrial to food grade.

Pneumatic				
Brand	Actuating element	Air source treatment	Pneumatic control box	Fittings and air pipes
SMC	✓	✓	✓	✓
Parker	✓	✓	✓	✓
Bosch Rexroth	✓	✓	✓	
Festo	✓	✓	✓	
Domnick Hunter		✓		
Legris(Parker)				✓
Norgen	✓	✓	✓	✓
PCL				✓
RS Pro	✓	✓	✓	✓

Pneumatic								
Brand	Hoses and fittings	Pump	Cylinder	Valve	Pressure switch	System monitoring	Filter	High voltage system
Parker	✓			✓	✓	✓	✓	
Bosch Rexroth		✓	✓	✓	✓		✓	
Enerpac								✓
Hiforce								✓
Norgren					✓			
RS Pro	✓	✓	✓	✓	✓		✓	

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	Pneumatic adapter, accessory and joint	Pneumatic elbow thread to tube adapter	Legris	Legris 3109 Series Glass Reinforced Nylon, Right Angle, Elbow Joint, 3109 08 17, R 3/8 External Thread, Push-In 8 mm Pipe Connection	2655466
				Legris 3109 Series Glass Reinforced Nylon, Right Angle, Elbow Joint, 3109 10 13, R 1/4 External Thread, Push-In 10 mm Pipe Connection	1825002
				Legris 3109 Series Glass Reinforced Nylon, Right Angle, Elbow Joint, 3109 08 13, R 1/4 External Thread, Push-In 8 mm Pipe Connection	1824986
				Legris 3109 Series Glass Reinforced Nylon, Right Angle, Elbow Joint, 3109 10 17, R 3/8 External Thread, Push-In 10 mm Pipe Connection	2655488
				Legris 3109 Series Glass Reinforced Nylon, Right Angle, Elbow Joint, 3109 06 10, R 1/8 External Thread, Push-In 6 mm Pipe Connection	0812156

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	Pneumatic adapter, accessory and joint	Pneumatic straight pipe to tube adapter	Legris	Legris 3106 Series Glass Reinforced Nylon Tube-to-Tube Pneumatic Direct Tube - Tube Adapter 3106 06 08, 20 bar Maximum Operating Pressure	6190878
			SMC	SMC KQ2 Series Polycarbonate Tube-to-Tube Pneumatic Direct Tube - Tube Adapter KQ2H06-00A, 10 bar Maximum Operating Pressure, Push-In 6 mm	7715071
		Pneumatic straight thread to tube adapter	Legris	Legris 3175 Series 3175 08 13 Nickel-Plated Brass Direct Pneumatic Quick Connect Coupling, 20 bar Maximum Operating Pressure, R 1/4 External Thread Connection	1824784
				Legris 3175 Series 3175 06 13 Nickel-Plated Brass Direct Pneumatic Quick Connect Coupling, 20 bar Maximum Operating Pressure, R 1/4 External Thread Connection	0812279
			SMC	SMC M-5 Series M-5H-6 Brass Direct Pneumatic Quick Connect Coupling, 1.5 MPa Maximum Operating Pressure, M5 External Thread Connection	2223817
				SMC M-5 Series M-5H-4 Brass Direct Pneumatic Quick Connect Coupling, 1.5 MPa Maximum Operating Pressure, M5 External Thread Connection	2223801
		Pneumatic quick connect coupling	RS PRO	RS PRO 17 Series Brass , Steel Pneumatic Quick Connect Coupling, 35 bar Maximum Operating Pressure, R1/4 External Thread Connection	6671702
		Pneumatic tee to tube adapter	Legris	Legris 3104 Series Pneumatic Tee - Tube Adapter 3104 06 00, Push-In 6 mm, 20 bar Maximum Operating Pressure, -20 → +80°C	0812083
		Pneumatic positive pressure and vacuum check valve functional joint	SMC	SMC AKH Series Check Valve Tube Joint AKH08-00, -100 kPa → 1 MPa, -5 → +60° C	3670630
	Pneumatic instrument and switch	Pressure and vacuum switch	RS PRO	RS PRO F4 Series Adjustable Pressure Switch, G 1/4 Connection, -25 → +85°C, 0 → 25bar	2970052
	Air pipe and air hose	Air hose	RS PRO	RS PRO NMF Series 30m Blue Nylon Air Hose, 24 bar Working Pressure, -40 →+80°C, 4mm Outer Diameter, Suitable for a Variety of Applications	4834970
				RS PRO HR Series 15m Blue PU Air Hose, 15 Bar Working Pressure, -5 →+60°C, 8mm Outer Diameter	7883736
		Spiral tube without connector	RS PRO	RS PRO 1005T Series, 5 m (L) Transparent 20 bar Fluoropolymer Air Tube Coil (Without Connector), -40 → +150°C	4868917
		Hose cutter	Legris	Legris 3000 7100 Nylon Hose Cutter, Stainless Steel Blade, Suitable for Plastic Pipe, Suitable for Cutting Tubes with an External Diameter Up to 14 mm	0722198
	Pressure measuring	Simulated positive pressure gauge	WIKA	WIKA 9350569 Simulated Positive Pressure Gauge Rear Entrance 10bar, R 1/8 Connection Size	0722788
				WIKA 9626829 Simulated Positive Pressure Gauge Bottom Entrance 10bar, G 1/4 Connection Size	0110826
				WIKA 9626969 Simulated Positive Pressure Gauge Bottom Entrance 400bar, G 1/4 Connection Size	0110882
				WIKA 9626977 Simulated Positive Pressure Gauge Bottom Entrance 600bar, G 1/4 Connection Size	0110898
				WIKA 9626951 Simulated Positive Pressure Gauge Bottom Entrance 250bar, G 1/4 Connection Size	0110876
				WIKA 9626943 Simulated Positive Pressure Gauge Bottom Entrance 160bar, G 1/4 Connection Size	0110860
				WIKA 46852703 Simulated Positive Pressure Gauge Rear Entrance 100bar, G 1/4 Connection Size	0540227
				WIKA 9314201 Simulated Positive Pressure Gauge Rear Entrance 250bar, G 1/4 Connection Size	0540249
		Pressure gauge accessories	Parker	Parker SCJN-KIT-600 Pressure Gauge Maintenance Kit (0-600 bar), Used for Digital Pressure Gauge	5116706
	Hydraulic valve and confluence plate	Hydraulic flow control valve - straight line mounting	Parker	Parker SCV Series 210 bar Nickel-plated Brass Line Fixed Hydraulic Flow Control Valve SCV1701, Maximum Flow 3L/min, G 3/8 Connection Thread	0828050
	Hydraulic cylinder, pump and power plant	Gear type hydraulic pump	Bosch Rexroth	Bosch Rexroth AZP Series Hydraulic Gear Pump 0510725030, 22.5cm3 Discharge, Clockwise Rotation, 2500rpm	5115696
		Manual hydraulic pump	Hi-Force	Hi-Force 1.0L Manual Single-Speed Hydraulic Hand Pump HP110, 250mm Cylinder Stroke, 560 x 145 x 135 mm	0807889

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	Hydraulic adapter, accessory and joint	Hydraulic straight threaded adapter, counterpart joint and variable diameter joint	Parker	Parker Galvanized Steel Hydraulic Straight Threaded Tapered Pipe RI3/8EDX-1/4CF, G 3/8 Male to G 1/4 Female, 400 bar Maximum Operating Pressure	0807429
				Parker Yellow Chromed, Galvanized Steel Hydraulic Straight Threaded Adapter 4HMK4S, G 1/4 Male to G 1/4 Male, 450 bar Maximum Operating Pressure	0807564
				Parker Yellow Chromed, Galvanized Steel Hydraulic Straight Threaded Adapter 4-6F3MK4S, 1/4 Male to R3/8 Male, 450 bar Maximum Operating Pressure	1836210
				Parker Yellow Chromed, Galvanized Steel Hydraulic Straight Threaded Adapter 12HMK4S, G 3/4 Male to G 3/4 Male, 280 bar Maximum Operating Pressure	0807659
				Parker Galvanized Steel Hydraulic Straight Threaded Adapter 6HMK4S, G 3/8 Male to G 3/8 Male, 350 bar Maximum Operating Pressure	7972078
				Parker Galvanized Steel Hydraulic Straight Threaded Adapter 6-6F6MK4S, G 3/8 Female to G 3/8 Male, 350 bar Maximum Operating Pressure	7972081
		Hydraulic elbow thread adapter		Parker G 3/8 Male to G 3/8 Female Galvanized Steel Hydraulic Elbow Thread Adapter 6C6MK4S, -40 →+120°C	7972003
		Hydraulic quick-change connector		Parker IA Series Steel Hydraulic Quick-Change Connector 6605-8-10, 25 MPa Maximum Operating Pressure, 1/2 in Thread (G Standard)	4100722

Key technology

Industrial pipeline, pipeline and process accessories

RS can provide a variety of pipe fittings and pipeline solutions.

Bearing

RS Components stocks a wide selection of rotary bearings, ball and roller bearings, as well as roller bearings and various bearing units in leading manufacturers in the industry such as SKF and IKO Nip-ponThompson, to cope with production line operations.

Sleeve, axle ring and coupling

RS works with industry leaders Huco and Ruland to provide a wide selection of axle rings.
You'll also find keyless sleeves, locking sleeves, normal sleeves, isometric sleeves and tapered sleeves to choose from, including brands such as Lenze, Fenner Drives and our high-quality own-brand RS Pro.
RS has a wide range of roller chains and accessories.

Drive accessories

RS offers a wide range of power conveyor belts to meet any automation or industrial requirements.
You will find polyurethane belts, hemp chain straps, synchronous toothed belts, as well as wedge and V-shaped friction belts of top brands such as Contitech. You can also browse RS Pro brand belts with a wide selection and competitive prices. And the material transfer accessories series provided by RS will meet the requirements of any material transportation, including universal ball joints and conveyor rollers.

Industrial pipeline, pipeline and process accessories								
Brand	Brass	Bronze	Ductility	NP	Plastic	Slippage accessories	Stainless steel	Steam
Legris	✓			✓			✓	
RS Pro	✓	✓	✓					
Saint-Gobain					✓			
CEJN				✓			✓	
George Fischer			✓		✓			
John Guest Speedfit						✓		
Spirax-Sarco								✓
Wade	✓							

Bearing	Ball bearing																
Brand	Deep groove ball bearing							Special deep groove ball bearing	Small bearing	Angular contact ball bearing				Self-aligning ball bearing		Thrust ball bearing	
	Plastic	Steel			Stain-less steel					Single-row		Dou-ble-row					
		Open	With dust cover	With seal	Open	With dust cover	With seal			Open	With seal	Open	With seal	Open	With seal	Plastic	Steel
SKF		✓	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓		✓
NSK		✓	✓	✓						✓		✓					✓
INA								✓					✓				
FAG			✓	✓						✓	✓			✓	✓		✓
TIMKEN																	
IKO																	
NMB									✓								
BNL	✓															✓	
Igus	✓																
RS Pro			✓	✓			✓										

Roller bearing					
Brand	Cylindrical roller bearing	Tapered roller bearing	Spherical roller bearing	Needle rolling bearing	Thrust bearing
SKF	✓	✓	✓	✓	✓
NSK					
INA	✓			✓	
FAG		✓	✓		
TIMKEN		✓			
IKO			✓	✓	
NMB					
BNL					
Igus					
RS Pro					

Bearing unit																	Clutch	Cam follower		Others
Brand	Bearing block			Double flange bolting			Four-bolt flange			Cartridge			Hoisting bearing			Bearing plugin	Bearing clutch	Stud type	Yoke type	Knuckle bearing
	Plastic	Steel	Corrosion resistance	Plastic	Steel	Corrosion resistance	Plastic	Steel	Corrosion resistance	Plastic	Steel	Corrosion resistance	Plastic	Steel	Corrosion resistance					
SKF		✓			✓			✓								✓		✓	✓	
NSK		✓	✓		✓	✓		✓	✓		✓					✓				
INA								✓								✓	✓	✓	✓	
FAG																				
TIMKEN																				
IKO																				
NMB																				
BNL																				
Igus	✓			✓			✓									✓				✓
RS Pro		✓			✓			✓			✓				✓	✓		✓	✓	✓

Sleeve, axle ring and coupling					
Brand	Locking sleeve	Shaft sleeve	Keyless sleeve	Plain sleeve and reducing sleeve	Tapered sleeve
Lenze	✓				
TOLLOCK	✓				
Huco		✓		✓	
Ruland	✓				
RS Pro		✓	✓	✓	✓
Fenner Drives			✓		
Fibet			✓		

Chain and chainwheel		
Brand	Chain	Chain wheel
Renold	✓	
INA		✓
RS Pro	✓	
TYC	✓	
Resatec	✓	✓
Wippermann	✓	✓
Witra	✓	

Belt and pulley					
Brand	Synchronous belt	Wedge and V-shaped belt	Torsion circle belt	Polyurethane round belt	Pulley
Contitech	✓	✓			
Fenner Drives		✓	✓	✓	
Hutchinson		✓			
RS Pro	✓	✓		✓	✓
BNL					✓
INA					✓

Material transfer accessories	
Brand	Material transfer accessories
RS Pro	✓
Alwayse	✓
Bosch Rexroth	✓
Igus	✓
Hutchinson	✓
BNL	✓
Steerman	✓

Product picture	Category	Subcategory	Brand	Product description	RS inventory No.
	Power transmission - rotary bearing	Ball bearing	NMB	NMB Steel Radial Ball Bearing DDL-1060ZZMTP24LY121, 194N Static Load, 6mm Inner Diameter, 10mm Outer Diameter	747771
	Material transportation - caster and wheel	Caster	LAG	LAG Caster, Wheel Diameter 150 mm, 1400 kg Load, PUR Tire, Cast Iron Hub	2478326
	Power transmission-clutch and brake	Clutch-adjustable friction type	Huco	Huco Friction Clutch 279.25.28, 8mm Aperture, 132Ncm Torque, 25.8mm Total Torque	748617
				Huco Friction Clutch 271.25.28, 8mm Aperture, 53Ncm Torque, 25.8mm Total Torque	748601
	Power transmission-coupling	Coupling	Huco	Huco Corrugated Coupling 132Ncm Torque 10mm Aperture Electrolytic Nickel, 17mm Outer Diameter, 27mm (L), Fastening Screw, 103Nm/rad Torsional Stiffness	748285
				Huco Coupling 1.8Nm Torque 10mm Aperture, 48mm (L)	8090758
			Ruland	Ruland Aluminum Elastic Beam Coupling PCMR19-6-6-A, 1.58Nm Torque, 19.1mm Outer Diameter, A6mm Bore B 6mm, 22.9mm (L), Clamp Fixed	814483
				Ruland Coupling 0.92 Nm Torque, 12.7 mm Outer Diameter, 19.1 mm (L), 6.66° /Nm Torsional Stiffness	814433
		Double slider coupling torque disc	Huco	Huco 4Nm Torque Acetal Oldham Coupling Torque Disc 236.25, 13Nm Static Fracture Torque, 205Nm/rad Torsional Stiffness	6928103
		Universal/ steering offset coupling	Huco	Huco 6mm Aperture 0.3Nm Torque Brass Universal/Transverse Offset Coupling 207.18.2222, Clamping and Fastening	748320
	Power transmission - gasket, seal and packing	Seal and O-ring suite	RS PRO	RS PRO Nitrile Butadiene Inch Metric O-ring, Containing 382 Pieces	756028
				RS PRO Viton® Metric O-ring Suite, Containing 510 Pieces	2459628
				RS PRO Viton® Inch Metric O-ring, Containing 382 Pieces	756040
				RS PRO MBK-05V FPM Metric O-ring Suite, Containing 386 Pieces	7058952
				RS PRO Butadiene Metric O-ring Suite, Containing 385 Pieces	7058958
				RS PRO Butadiene Metric O-ring Joint Suite, Containing 18 Pieces	136601
		Seal and O-ring	RS PRO	RS PRO Nitrile Rubber Seals, 13.74 mm Inner Diameter, 20.57 mm Outer Diameter, 2.03 mm Thick, -10 →+80°C	689473
				RS PRO Viton® O-ring suite	2459612
				RS PRO Nitrile Rubber Seals, 9mm Inner Diameter, 15.5 → 17.5mm Outer Diameter, 5.5mm Thick, -40 →+100°C	749581
		O-ring tool	RS PRO	RS PRO O-ring gauge	7058961

Main technology

Trusted global brands

Sensor products

RS has a large inventory of sensors and converters for a wide range of industrial applications.

RS products cover a wide range of applications including proximity, ultrasonic, photoelectric, laser, optical fiber, temperature, pressure, fluid, vision, weight, etc.

Industrial control and relay

A large number of buttons, limit switches, control stations, isolators, contactors, and industrial relays are used in industrial line control systems and in the final product. You can find all these products in RS.

Motor and control

Many parts of the industry require motion driven by motor, which combines in panel control via a variable speed drive, soft start or DC speed controller, and the AC or DC motor on the machine.

Circuit protection

RS offers a wide range of circuit protection and circuit breakers, where you will find leading brands such as Schneider Electric, Siemens and ABB.

Process control (PLC, HMI, Data Acquisition and Temperature Control)

PLC, HMI, data acquisition and temperature control can control almost all processes in industry – either individual standalone machines or an entire production line.

Box body and guide rail terminal

RS provides a complete range of metal and plastic boxes for electrical and industrial applications, as well as common rail terminals in boxes.

Main technology

Trusted global brands

Power management

RS Components are provided with a variety of power sources and can be used in different installation systems, which means that you will be able to find power sources for any industrial, automated or electronic applications.

Panel instruments, counters and timers

Panel meters are at the front line to find out how your process control machinery works. In our rich product range, you will find digital instruments, VU meters and power panel meters. RS Components are equipped with a large number of counters and timers.

Signal regulating and monitoring relay

Temperature, voltage, current or frequency need to be monitored at the industrial site, and all signals need to be adjusted and converted, which can be found in RS.

Speaker and signal lighthouse

Speakers and signal lights promote safety and awareness in many industrial and commercial sectors, including construction, automotive and aviation. RS Components provides international and European guaranteed products to meet the needs of most applications, including fire alarm products, stack lights or tower lights.

Machine safety protection

From the machine protection and safety scope of RS Components, the product provides protection and safety equipment for all industries, including factory automation (food, beverage and pharmaceuticals) and process automation (utilities and mining). You will also find safety devices available such as mechanical and non-contact interlock switches, light curtains, safety relays, emergency stop buttons and pull ropes.

Main technology

Trusted global brands

Pneumatic and hydraulic products

From our comprehensive range of hydraulic and pneumatic products, you can find air preparation filters, hydraulic pumps, quick-connection connectors, sensors, instruments, and thoroughly clean environmental standard actuators from industrial to food grade.

Industrial pipeline, pipeline and process accessories

RS can provide a variety of pipe fittings and pipeline solutions.

Bearing

RS Components stocks a wide selection of rotary bearings, ball and roller bearings, as well as roller bearings and various bearing units in leading manufacturers in the industry such as SKF and IKO NipponThompson, to cope with production line operations.

Sleeve, axle ring and coupling

RS works with industry leaders Huco and Ruland to provide a wide selection of axle rings. You'll also find keyless sleeves, locking sleeves, normal sleeves, isometric sleeves and tapered sleeves to choose from, including brands such as Lenze, Fenner Drives and our high-quality own-brand RSPro. RS has a wide range of roller chains and accessories.

Drive accessories

RS offers a wide range of power conveyor belts to meet any automation or industrial requirements.

You will find polyurethane belts, hemp chain straps, synchronous toothed belts, as well as wedge and V-shaped friction belts of top brands such as Contitech. You can also browse RS Pro brand belts with a wide selection and competitive prices.

And the material transfer accessories series provided by RS will meet the requirements of any material transportation, including universal ball joints and conveyor rollers.