

FESTO

The Stars of Automation



Your partner for factory and process automation

Look for the Star when selecting products in the catalogue.

Over 4,000 products that are:

- **Worldwide:** always in stock
- **Superb:** Festo quality, providing great value
- **Easy:** just a few clicks to place an order online

★ Ready to ship from the Festo factory in 24 hours

☆ Ready to ship from the Festo factory in 5 days or less



Pneumatic Cylinders and Actuators

Piston Rod Cylinders		Lead Time*	
Inch Series		★	☆
DSNU Double Acting Round Cylinder		—	5/16...12 1/2...12
DNC Double Acting Cylinder		—	1 1/4...2 1/2 12 1...12
ADN Double Acting Compact Cylinder		—	1/2...23 1/2...3
Metric Series			
DSNU(ISO standard) Double Acting Round Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	8...25 320 10-320
DSNU Double Acting Round Cylinder Large Bore		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	— 32...63 500 10-500
DSBC Double Acting Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	32...80 500 20...500
ADN Double Acting Compact Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	12...80 80 5...80
ADNGF Double Acting Compact Cylinder Non-Rotating		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	12...40 80 10...80
ADVC Double Acting Short Stroke Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	12...63 25 5...25
AEVC Single Acting Short Stroke Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	12...63 25 5...25

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Pneumatic Cylinders and Actuators

Mini Slide		Lead Time*	
Metric Series		★	☆
DGSL Double Acting Ball Bearing Guided Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	4...25 200 Standard
DGST Double Acting Ball Bearing Guided Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	12...25 200 10...200
Guided Piston Rod Actuator			
DFM Double Acting Guided Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	6...63 200 Standard
Stopper Cylinders			
DFSP Stopper Cylinder		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	20...40 30 5...30
Rotary Actuators			
Metric Series			
DRVS Semi-rotary Vane		• Size (mm) • Angle (degrees)	6-40 mm 90, 180, 270
DRRD Semi-rotary Rack-pinion Drive		• Size (mm) • Angle (degrees)	8-40 mm 180, adj
Rodless Actuators			
Metric Series			Lead Time*
DGC-N-K Rodless Band Actuator		• Diameter (mm) • Max Stroke (mm) • Stroke (mm) • Air Ports: M5**, 1/8 NPT; 1/4 NPT, 3/8 NPT	8...80 1...8,500 Custom
DGC-N-GF Plain Bearing Guided Actuator		• Diameter (mm) • Max Stroke (mm) • Stroke (mm) • Air Ports: M5**, 1/8 NPT; 1/4 NPT, 3/8 NPT	8...63 1...8,500 Custom
DGC-N-KF Recirculating Ball Bearing Guided Actuator		• Diameter (mm) • Max Stroke (mm) • Stroke (mm) • Air Ports: M5**, 1/8 NPT; 1/4 NPT, 3/8 NPT	8...63 1...8,500 Custom

**Suitable for 10-32 UNF

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Pneumatic Cylinders and Actuators

Rodless Actuators			
Metric Series		Lead Time*	
DGC-K Rodless Band Actuator		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	18...80 3,000 Custom
DGC-GF Plain Bearing Guided Actuator		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	18...63 3,000 Custom
DGC-KF Recirculating Ball Bearing Guided Actuator		• Diameter (mm) • Max Stroke (mm) • Stroke (mm)	18...63 3,000 Custom

Pneumatic Valves and Valve Terminals

Individually Wired Valves		Lead Time*	
Metric Series		★	☆
VUVG-S Solenoid Valve with common features		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Operating Voltage	10...14 660 2.5...7 24 VDC
VUVG Solenoid Valve		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Operating Voltage	10...18 1,300 -0.9...8 24 VDC
VUVS-S Solenoid Valve with common features		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Operating Voltage	20...30 1,600 1.5...8 24 VDC
VUVS Solenoid Valve		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Operating Voltage	20...30 2,300 -0.9...10 24 VDC
VUVS-LT Solenoid Poppet Valve		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Operating Voltage	20...30 1,800 -0.9...10 24 VDC
VSVA Solenoid Valve ISO-55991		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar)	42 1,300 3...10
VSVA Solenoid Valve ISO-15218		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar)	18,26 1,400 2...10
Inch Series			
VUVS Solenoid Valve		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • NPT Threads	21...31 2,300 -0.9...10 1/8...3/8
Mounted on Manifolds			
VTUS Valve Manifold		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar)	— 21...31 2,300 -0.9...10
VTUG-S Valve Manifold		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar)	— 10...14 660 2.5...7

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Pneumatic Valves and Valve Terminals

Valve Manifolds		Lead Time*	
Inch Series		★	
VTSA/VTSA-F Valve Manifold		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Threads • Electrical Interface	18...52 2,900 -0.9...10 1/8...1/2 NPT Multi-pin, Fieldbus
Metric Series			
VTSA/VTSA-F Valve Manifold		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Threads • Electrical Interface	18...52 2,900 -0.9...10 G1/8...G1/2 Multi-pin, Fieldbus
MPA-S Valve Manifold		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Electrical Interface	10...20 230...700 -0.9...10 Multi-Pin, Fieldbus
MPA-L Valve Manifold		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Electrical Interface	10...20 850 -0.9...10 Multi-Pin, Fieldbus
VTUG Valve Manifold		• Valve Width (mm) • Max Flow (l/min) • Pressure Range (bar) • Electrical Interface	10...14 1,200 -0.9...10 Multi-Pin, Fieldbus, IO-Link

Vacuum Generators, Cups & Holders












Vacuum Technology		Lead Time*	
Generators		★	
VN Vacuum Generator		• Laval Nozzle diameter: 0.7 - 3 mm • High Vacuum version up to 93% of Vacuum • High Flow version up to 340 l/min	★
OVEL Vacuum Generator		• Laval Nozzle diameter: 0.45 - 0.95 mm • High Vacuum version up to 92% of Vacuum • Output: Digital or IO link	★
Suction Cups/Vacuum Generators			
VAS		Lead Time*	
VAS Flat Vacuum Cup with holder		• Diameters 15...55 mm • Threads: G1/8, G1/4 • Materials: Nitrile Rubber (NBR), Polyurethane (PUR) and Silocone (SI)	★
VASB One Bellow Vacuum Cup with Holder		• Diameters: 30...55 mm • Threads: G1/8, G1/4 • Materials: Nitrile Rubber (NBR), Polyurethane (PUR) and Silocone (SI)	★
Check Valve			
ISV		Lead Time*	
ISV Vacuum Check Valve		• Sizes G-1/8 and G-1/4	★

Sensors



Sensors		Lead Time*	
Pressure / Vacuum Sensors		★	
SPAN Pressure and Vacuum Sensor		• Measuring range: (-1...0, 0...2, 0...10) Bar • Switching output 2x PNP or NPN (selectable) IO-Link • Configurable Analog output 0...10 V, 1...5V, 4...20mA • 0...50 °C • IP40	★
SPAU Pressure and Vacuum Sensor		• Measuring range: 0 to 10 bar • Switching output 2x PNP or NPN (selectable) IO-Link • Configurable Analog output 0...10 V, 1...5V, 4...20mA • 0...50 °C • IP65	★

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Sensors and Actuator Feedback

Sensors			Lead Time*
Pressure / Vacuum Sensors			Lead Time*
SDE5 Pressure and Vacuum Switch		<ul style="list-style-type: none"> • "Teach-in" Function • 15...30VDC • Pressure (Bar) • Temperature (°C) • IP40 	★
PEV Pressure Switch		<ul style="list-style-type: none"> • Dry Contact • 0...250VDC, 0...125 VAC • Pressure: 1...12 bar • -20...+80 °C • IP65 	★
Flow Sensors			Lead Time*
SFAH Flow Switch		<ul style="list-style-type: none"> • Configurable Switching output 2x PNP or NPN, IO-Link • Flow range from 0.1 to 200 Lt/min • Configurable Analog output 0...10V, 1...5 V, 4 ... 20 mA • IP40 	★
IO-Link			
Cylinder Switch			Lead Time*
SMT/SME-8M Proximity Switch		<ul style="list-style-type: none"> • Dry Contact/Mechanic contact, PNP, NPN • 5...30VDC • -40...+85°C • IP65/IP68/IP69k • For T-Slot 	★
SMT/SME-10M Proximity Switch		<ul style="list-style-type: none"> • Dry Contact/Mechanic contact, PNP, NPN • 5...30VDC • -40...+70°C • IP65/IP68 • For C-Slot 	★
Sensors			Lead Time*
SDAT Position Transmitters		<ul style="list-style-type: none"> • 50, 80, 100, 125, 160 mm • 10 ... 30V DC, PNP/NPN • Configurable Switching Output, or IO-Link • Analogue output 4 ... 20 mA • -20...+70°C • IP65 / IP68 	★
IO-Link			
SMAT-8E Position Transmitter		<ul style="list-style-type: none"> • Measuring Range: 48-52mm • Repeatability: +/- 0.064mm • Output: 0...10V / 4...20 mA • -20...+50 °C • IP65 / IP67 	★
SRBS Position Sensor		<ul style="list-style-type: none"> • Switching output 2x PNP or NPN (configurable) • Sensing range 0°...270° • Design for semi-rotary Pneumatic drives DSM (6,8,10) and DRVS Family • IP65 / IP68 	★
Proximity Switches			Lead Time*
SIEN/SIEH Inductive Sensors		<ul style="list-style-type: none"> • M5, M8, M12, M18 • Voltage 10 ... 30V DC • PNP, NPN • Standard/Extended switching distance 	★
SIEA Inductive Sensors		<ul style="list-style-type: none"> • M12, M18 • Voltage 10 ... 30V DC • Analog 0...10V, 4...20 mA 	★
SIES Inductive Sensors		<ul style="list-style-type: none"> • Rated Operating Distance 1.5 mm • Voltage 10 ... 30V DC, Slot M8 • PNP, NO/NC • -25...+70°C • IP65 / IP67 	★

Grippers






Standard grippers			Lead Time*
DHPS Parallel Gripper		<ul style="list-style-type: none"> • Diameters 10...35 mm 	★
DHRS Radial Gripper		<ul style="list-style-type: none"> • Diameters 10...32 mm 	★

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Electromechanical Axes


Electromechanical Actuators			Lead Time*
Linear Actuators			Lead Time*
EGC-TB Toothed Belt Actuator		<ul style="list-style-type: none"> • Sizes: 70, 80, 120 • Fixed Strokes: 300 ... 1,500 mm • Options: None 	★ ☆
ELGA-TB Toothed Belt Actuator		<ul style="list-style-type: none"> • Sizes: 70, 80, 120 • Strokes: 300...1,500 mm • Guide Bearing: Ball Bearing (-KF) • Options: None 	★ ☆
Linear Actuators			Lead Time*
EGC-BS Ball Screw Actuator		<ul style="list-style-type: none"> • Sizes: 70, 80, 120 • Fixed Strokes: 100...800 mm • Repeatability: 0.02 mm 	★
ELGC-BS Ball Screw Actuator		<ul style="list-style-type: none"> • Sizes: 32, 45, 60, 80 • Fixed Strokes: 100 ... 1,000 mm • Repeatability: 0.01 mm 	★
ELGC-TB Ball Screw Actuator		<ul style="list-style-type: none"> • Sizes: 45, 60, 80 • Fixed Strokes: 200 ... 1,500 mm • Max speed: 1.5 m/s 	★
Electric Cylinders			Lead Time*
ESBF Electric Cylinder		<ul style="list-style-type: none"> • Sizes: 32, 40, 50, 63 mm • Stroke Length: 100 ... 400 mm • Optional IP65 protection and FDA-approved grease 	★
EPCO Electric Cylinder		<ul style="list-style-type: none"> • ServoLite motor pre-mounted to actuator • Sizes: 16, 25, 40 mm • Fixed Strokes: 100 ... 300 mm 	★
EGSC Minislide		<ul style="list-style-type: none"> • Sizes: 25, 32, 45, 60 mm • Stroke Length: 25 ... 200 mm • Repeatability: ±0.015 mm 	★
Electric Rotary Actuator			Lead Time*
ERMO Rotary Actuator		<ul style="list-style-type: none"> • ServoLite motor pre-mounted to actuator • Sizes: 12, 16, 25, 32 	★

Servo Motors and Drives

Servo Motors and Drives			Lead Time*
EMME-AS Servo Motor		<ul style="list-style-type: none"> • Flange Sizes: 40, 60, 80, 100 mm • Speed Range: 4,000 ... 10,000 • Torque Range: 0.18 ... 7.5 	★
CMMP-AS Servo Drive		<ul style="list-style-type: none"> • Control with CANopen, Modbus TCP, digital I/O, analog I/O, EtherNet/IP, PROFINET, EtherCAT, DeviceNet, PROFIBUS • Voltage Range: 100...230, 3x 230...480 	★
CMMT-AS Servo Drive		<ul style="list-style-type: none"> • Control with EtherCAT, • Voltage Range: 100...230 • Festo Automation Suite 	★
EMMS-ST ServoLite Motor		<ul style="list-style-type: none"> • Flange Sizes: 28, 42, 57, 87 mm • Holding torque 0.09 ... 8.6 Nm • Speed Range: 430...6,000 	★
CMMO-ST ServoLite Drive		<ul style="list-style-type: none"> • Control with Modbus TCP, digital I/O, or IO-Link • Voltage 24 V DC • Nominal current 5 A 	★

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Control System








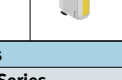




Control System			Lead Time*
CPX Terminal		<ul style="list-style-type: none"> • Modular Control System • Electric I/O, Pneumatic Terminal • Major Field Buses (Ethernet, IP, Profinet, others) 	★

Air Preparation Units

Filter Regulators, Pressure Regulators			Lead Time*	
Inch Series			★	☆
MSxN-LFR Filter/Regulator		<ul style="list-style-type: none"> • Pressure: 5...176 psi • Flow: 30...219 scfm • Port: 1/8NPT...3/4NPT 	MS4N 1/4 MS6N 1/2	1/8, 3/4 NPT
MSxN-LR Pressure Regulator		<ul style="list-style-type: none"> • Pressure: 5...176 psi • Flow: 35...265 scfm • Port: 1/8NPT...3/4NPT 	MS4N 1/4 MS6N 1/2	1/8, 3/4 NPT
Metric Series				
MSx-LFR Filter/Regulator		<ul style="list-style-type: none"> • Pressure: 0.3...12 bar • Flow: 850...6200 l/min • Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	G1/8, G3/4
MSx-LR Pressure Regulator		<ul style="list-style-type: none"> • Pressure: 0.3...12 bar • Flow: 1000...7500 l/min • Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	G1/8, G3/4
MSx-LRB Manifolding Regulator		<ul style="list-style-type: none"> • Pressure: 0.3...12 bar • Flow: 1700...7300 l/min • Port: G1/4...G1/2 	MS4 1/4 MS6 1/2	—
MSx-LRP Precision Regulator		<ul style="list-style-type: none"> • Pressure: 0.1...12 bar • Flow: 800...5000 l/min • Port: G1/4...G1/2c 	MS6 1/2	—
Filters				
Inch Series			Lead Time*	
MSxN-LF Filters		<ul style="list-style-type: none"> • Pressure: 5...176 psi • Flow: 71...145 scfm • Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	★
MSxN-LFM-B Fine Filters		<ul style="list-style-type: none"> • Pressure: 5...176 psi • Flow: 6...30 scfm • Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	—
MSxN-LFM-A Micro Filters		<ul style="list-style-type: none"> • Pressure: 5...176 psi • Flow: 4...17 scfm • Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	—
MSxN-LFX Carbon Filter		<ul style="list-style-type: none"> • Pressure: 0...235 psi • Flow: 8.8 scfm • Port: 1/4 NPT, 1/2 NPT 	MS4N 1/4 MS6N 1/2	—
Metric Series				
MSx-LF Filters		<ul style="list-style-type: none"> • Pressure: 2...12 bar • Flow: 1000...4500 l/min • Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	—
MSx-LFM-B Fine Filters		<ul style="list-style-type: none"> • Pressure: 2...12 bar • Flow: 54...950 l/min • Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	—
MSx-LFM-A Micro Filters		<ul style="list-style-type: none"> • Pressure: 2...12 bar • Flow: 54...900 l/min • Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	—
MSx-LFX Carbon Filter		<ul style="list-style-type: none"> • Pressure: 0...14 bar • Flow: 360...900 l/min • Port: G1/4, G1/2 	MS4 1/4 MS6 1/2	—













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Air Preparation Units

Manual & Electrical On/Off Valves			Lead Time*	
Inch Series			★	☆
MSxN-EM1 Manual On/Off		<ul style="list-style-type: none"> • Flow: 78...247scfm • Port: 1/8NPT...3/4NPT • Rotary Knob with Detent 	MS4N 1/4 MS6N 1/2	—
MSxN-EE Electric On/Off		<ul style="list-style-type: none"> • Flow: 71...247scfm • Port: 1/8NPT...3/4NPT 	MS4N 1/4 MS6N 1/2	—
Metric Series				
MSx-EM1 Manual On/Off		<ul style="list-style-type: none"> • Flow: 2200...7000 l/min • Port: G1/8...G3/4 • Rotary Knob with Detent 	MS4 1/4 MS6 1/2	—
MSx-EE Electric On/Off		<ul style="list-style-type: none"> • Flow: 2000...7000 l/min • Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	—
Safety Valves				
Metric Series				
MS6-SV-C Safety Valve PLc		<ul style="list-style-type: none"> • Pressure: 3...10 bar • Flow: 1---> 2 5,700 l/min • 2---> 3 7,600 l/min exh. • Port: G1/2 (1&2) G3/4 (3) 	—	★
MS6-SV-D Safety Valve PLd		<ul style="list-style-type: none"> • Pressure: 3.5...10 bar • Flow: 1---> 2 4,300 l/min • 2---> 3 9,000 l/min exh. • Port: G1/2 (1&2) G1 (3) 	—	★
MS6-SV-E Safety Valve PLe		<ul style="list-style-type: none"> • Pressure: 3.5...10 bar • Flow: 1---> 2 4,300 l/min • 2---> 3 9,000 l/min exh. • Port: G1/2 (1&2) G3/4 (3) 	—	★
Pressure Gauges				
Inch and Metric Series				
Series MA Pressure Gauge		<ul style="list-style-type: none"> • 40...50 mm • Port: G1/8, G1/4 • Pressure: 0...240 psi, 0...16 bar 	—	1/4
Inch/Metric Red/Green Pressure & Vacuum Gauges				
Series MA...-RG Red/Green Gauge		<ul style="list-style-type: none"> • Diameter: 40 mm • Inch Port: 1/8 NPT, 1/4 NPT • Metric Port: R1/8, R1/4 • Scale: 0-36; 0-60; 0-150 bar/psi and Vacuum bar/InHg 	—	1/8 1/4
Soft-Start Valves				
Metric Series				
MSx-DL Soft Start		<ul style="list-style-type: none"> • Flow: 2,000...6450 l/min • Port: G1/8...G3/4 • Pneumatically Actuated 	MS4 1/4 MS6 1/2	—
Branch Module				
Inch Series				
MSxN-FRM Branch Module		<ul style="list-style-type: none"> • Flow: 143...519scfm • Port: 1/8NPT...1NPT 	MS4N 1/4 MS6N 1/2	—
Metric Series				
MSx-FRM Branch Module		<ul style="list-style-type: none"> • Flow: 4,050...14,700 l/min • Port: G1/8...G3/4 	MS4 1/4 MS6 1/2	—












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Process Automation

Process Automation			
Actuators			Lead Time*
DFPD Quarter Turn Actuator		<ul style="list-style-type: none"> Torque Sizes: 10-480 Nm Double acting or spring return Housing: Anodized aluminum Mounting standards: ISO5211, NAMUR, VDI/VDE 3845 	★
Media Valve			
VZBE Ball Valve		<ul style="list-style-type: none"> Sizes: 1/2 - 2 in Housing: Stainless steel Seat: PTFE Connections: NPT 	★
VZXF Angle Seat Valve		<ul style="list-style-type: none"> Sizes: 1/2 - 1 in Housing: Stainless steel or brass Connections, NPT or G Below the seat flow 	★
VZQA Pinch Valve		<ul style="list-style-type: none"> Sizes: 1/4, 1/2, 1 in Normally Open Housing: Stainless steel Sleeve - Silicone Connections: NPT, ASME-BPE Clamp 	★
Pilot Valve			
VSNC NAMUR Pilot Valve		<ul style="list-style-type: none"> Single solenoid, 5/2 or 3/2-way convertible Double solenoid, 5/2-way only Connection: 1/4 in NPT or G Standard and Ex-proof versions 	★
VZWD Direct-Acting Solenoid Valve		<ul style="list-style-type: none"> Connection: 1/8 or 1/4 in, NPT or G Orifice Sizes: 2-6 mm Housing: Stainless steel or brass Seals: FKM (Viton) Voltage: 24VDC 	★
VZWF Force-Piloted Solenoid Valve		<ul style="list-style-type: none"> Connection: 1/4 - 1 in, NPT or G Housing: Brass Seals: NBR Voltage: 24VDC 	★
Sensor Box/Positioner			
CMSX Digital Positioner		<ul style="list-style-type: none"> Operating Voltage: 24VDC Input Signal: 0-10V, 4-20mA, 0-20mA Feedback Signal: 4-20 mA Fail Positions: Open, Closed, Freeze* *double acting only 	★
SRBC Sensorbox		<ul style="list-style-type: none"> Aluminum housing with 2 cable inputs Red/yellow visual indicator Switches: Mechanical, inductive, or magnetic reed Certifications: cCSAus, NEMA 4X 	★
SRBE Sensorbox		<ul style="list-style-type: none"> Aluminum housing with 2 cable inputs Red/yellow visual indicator Switches: Mechanical, inductive, or magnetic reed Certifications: Class 1, Division 1, NEMA 4X 	★
SRBG Sensorbox		<ul style="list-style-type: none"> Direct mount on actuators with VDI/VDE 3845 standard Must be used with SASF indicator LED status display on unit Switches: inductive proximity M12 electrical connection 	★
SASF Position Indicator		<ul style="list-style-type: none"> Direct mount on actuators with VDI/VDE 3845 standard Yellow/black indicator lines Used with SRBG sensor for sensing Four fixed actuating lugs set at 90° positions 	★

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Fittings/Flow Controls/Tubing/Silencers

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Inch Series			Lead Time*
QB/QBM-...-U Threaded Push-in Fittings		<ul style="list-style-type: none"> Thread: 10-32UNF...1/2NPT Straight, Elbow, T, and Y 1/8...1/2 	★
QB-...-U Push-in Fitting Connector		<ul style="list-style-type: none"> Tubing O.D.: 5/32...1/2in Straight, Elbow, T, and Y 1/8...1/2 	★
GRLA-...-U 1-way Flow Control		<ul style="list-style-type: none"> Thread: 10-32UNF...1/2NPT Tubing O.D.: 1/8...1/2 in 	★
GR-...-U In-line 1-way Flow Control		<ul style="list-style-type: none"> Tubing O.D.: 5/32...1/2 in 	★
Hybrid Series			
QS/QSM-...-U-M Threaded Push-in Fittings		<ul style="list-style-type: none"> Thread: M3...R1/2 Tubing O.D.: 1/8...1/2 in Straight, Elbow, T and Y Configurations 	★
QBL-U-M/QBT-U-M Push-in Fittings		<ul style="list-style-type: none"> Thread: M5...R1/2 Tubing O.D.: 1/8...1/2 in Straight, Elbow, T and Y Configurations 	★
GRLA-...-U-M 1-way Flow Control		<ul style="list-style-type: none"> Thread: M5...G1/2 Tubing: 1/4...1.2 in 	★
Metric Series			
QS/QSM-... Threaded Push-in Fitting		<ul style="list-style-type: none"> Thread: M3...G1/4 Tubing O.D.: 3...10 mm Straight, Elbow, T and Y Configurations 	★
QS/QSM-... Push-in Fitting Connectors		<ul style="list-style-type: none"> Tubing O.D.: 4...12 mm Straight, Elbow, T, and Y Configurations 	★
GRLA... 1-way Flow Control		<ul style="list-style-type: none"> Thread: M5...G1/2 Tubing O.D.: 4...12 mm 	★
Inch and Metric Series			
NPQH... Metal Push-in Threaded Fittings		<ul style="list-style-type: none"> G1/8, G1/4 Tubing O.D.: 4...10 mm Straight, Elbow, Plugs 	★

* Lead times shown are the standard configurations. For complete Stars of Automation program conditions and specific qualifying part numbers, visit www.festo.com/stars

Fittings/Flow Controls/Tubing/Silencers

Safety Couplings & Plugs			
Coupling			Lead Time*
NPHS-D6... Safety Coupling		<ul style="list-style-type: none"> Threads: G1/4...G1/2 	★
Plugs			
NPHS-S6... Coupling Plug		<ul style="list-style-type: none"> Threads: G1/8...G1/2 	★
Silencers			
Inch Series			Lead Time*
AMTE Metal Silencers		<ul style="list-style-type: none"> Threads: M3...G1/2 	★
Silencers		<ul style="list-style-type: none"> Threads: G1/8...G1 1/8...3/4inch Housing: Metal & Composite 	★
UC-... Polymer Silencers		<ul style="list-style-type: none"> Threads: M5...G1/4 	★
Polyurethane Tubing			
Inch Series			Lead Time*
PUN-H-...-150-CB Inch Tubing		<ul style="list-style-type: none"> Package: 150ft Rolls Diameter: 1/8...1/2inch Colors: Solid: Blue, Black, Silver Translucent: Blue, Natural 	★
Metric Series			
PUN-H-... Metric Tubing		<ul style="list-style-type: none"> Package: 50m Rolls Diameter: 4...12mm Colors: Solid: Blue, Black, Silver Translucent: Blue, Natural 	★
PUN-H-... Metric Tubing		<ul style="list-style-type: none"> Package: 200...500m Reels (diameter dependent) Diameter: 4...12mm Colors: Solid: Blue, Black, Silver Translucent: Blue, Black, Natural 	☆

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