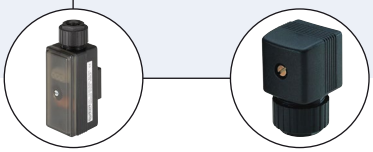
DOWNLOADED FROM WWW.SCATTS.CO.UK

bürkert
FLUID CONTROL SYSTEMS

Plunger valve 2/2 way direct-acting

- Direct-acting and compact valve up to diameter of DN 6.0
- Vibration-proof, bolted coil system
- Increased leak-tightness with welded plunger guide tube
- Explosion proof versions
- Energy-saving pulse versions

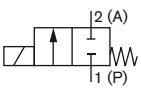
Type 6013 can be combined with…



Type 1078 **Type 2508**

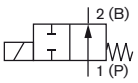
Valve 6013 is a direct-acting plunger valve. The stopper and plunger guide tube are welded together to enhance pressure resistance and leak-tightness. Various seal material combinations are available depending on the application. A Bürkert-specific flange design (SFB) enables space-saving arrangement of valves on a manifold. The coils are moulded with polyamide or with chemically resistant epoxy. Pulse coils and 'Kick and Drop' electronics are available for overexcitation (plug 2511) for the reduction of electrical power consumption during operation. Optional manual actuation enables quick commissioning and easy maintenance.
In combination with a plug in accordance with DIN EN 17301-803 Form A, the valves satisfy protection class IP65. Stainless steel valves satisfy NEMA 4X.

Circuit Function A



2/2 way direct-acting solenoid valve, normally closed

Circuit Function B



2/2 way direct-acting solenoid valve, normally open

Technical data		
Body material	Type 6013 Type 6013 A	Brass, stainless steel 1.4305 Brass, stainless steel 1.4305
Seal material		FKM, PTFE/Graphite (EPDM on request)
Analysis version Type 6013 A		Silicon, oil and fat free version Tightness < 10 - 4 mbar l/s
Limit value for residual carbon Type 6013 A		 < 0.2 mg/dm²
Medium Type 6013 Type 6013 A		• Technical vacuum • Neutral gases and liquids (e.g. compressed air, water, hydraulic oil) • Neutral medium, which does not attack the body and seal materials (see chemical resistance chart)
Medium temperature FKM PTFE/Graphite FKM, Circuit function B		 - 10 to + 100 °C (PA coil) till 120 °C (Epoxy coil) - 40 to + 180 °C (see chemical resistance chart) - 10 to 100 °C (AC) - 10 to 120 °C (DC)
Ambient temperature		Max. + 55 °C
Viscosity		Max. 21 mm²/s
Port connection	Type 6013 Type 6013 A	G ⅛, G ¼, G ⅜, sub-base (SFB) G ⅛, G ¼
Operating voltage	Type 6013 Type 6013 A	24 V DC, 24 V/50 Hz, 230 V/50 Hz 24 V DC, 230 V/50 Hz (other voltages on request)
Voltage tolerance		± 10 %
Duty cycle/single valve With block assembly on manifold		100 % continuous rating Intermittent operation 60 % (30 min) or with 5 W coil on request
Electrical connection		Tag connector acc. to DIN EN 175301-803 Form A (previously DIN 43650) for cable plug Type 2508 (see accessories) ATEX/IECEx version with 3 m moulded cable
Installation		As required, preferably with actuator upright
Assembly		No oils, fats or silicone to be used during installation
Protection class		IP65 with cable plug, ATEX/IECEx junction box version and cable connection version
Coil insulation class		Polyamide class B Epoxy class H

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Technical data, (continued)

Circuit function A

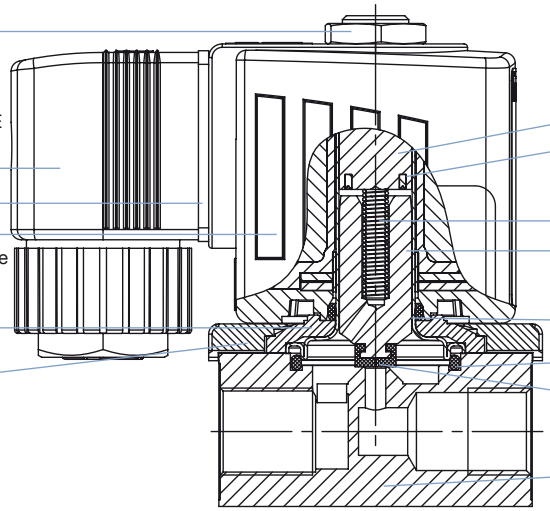
Orifice [mm]	Port connection	K_V value water [m³/h]	Weight [g]	Power consumption[1] [W]	Electr. power Inrush (AC)	Electr. power Hold (AC)	Coil size	Response times opening [ms]	Response times closed [ms]
2.0	G ⅛	0.12	325	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.0	G ¼	0.12	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.0	sub-base	0.12	290	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.5	G ⅛	0.16	325	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.5	G ¼	0.16	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.0	G ⅛	0.23	325	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.0	G ¼	0.23	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.0	G ⅜	0.23	550	10 W AC or 10 W DC (11)	30 VA	22 VA	6 (40 mm)	20	30
4.0	G ¼	0.30	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
4.0	G ⅜	0.30	550	10 W AC or 10 W DC (11)	30 VA	22 VA	6 (40 mm)	20	30
6.0	G ¼	0.55	465	8 W AC or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
6.0	G ⅜	0.55	550	10 W AC or 10 W DC (11)	30 VA	22 VA	6 (40 mm)	20	30

Circuit function B

Orifice [mm]	Port connection	K_V value water [m³/h]	Weight [g]	Power consumption[1] [W]	Electr. power Inrush (AC)	Electr. power Hold (AC)	Coil size	Response times opening [ms]	Response times closed [ms]
2.00	G ⅛	0.12	325	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.00	G ¼	0.12	465	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
2.00	sub-base	0.12	290	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.00	G ⅛	0.23	325	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.00	G ¼	0.23	465	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
3.00	sub-base	0.23	290	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
4.00	G ¼	0.3	465	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30
6.00	G ¼	0.55	465	7 W(AC) or 8 W DC (9)	24 VA	17 VA	5 (32 mm)	20	30

[1] Values in brackets at coil temperature 20 °C

Materials



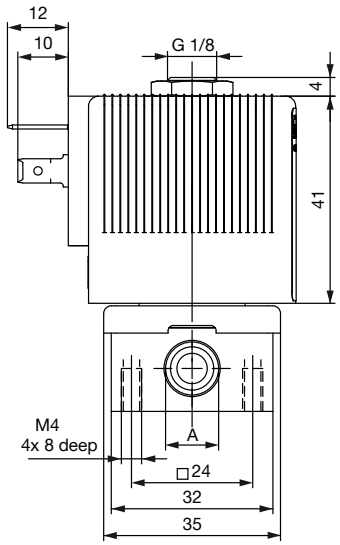
DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

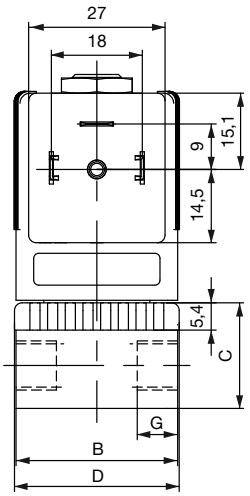
DOWNLOADED FROM WWW.SCATTS.CO.UK

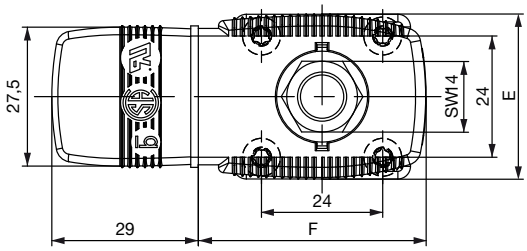
DOWNLOADED FROM WWW.SCATTS.CO.UK

Dimensions [mm]

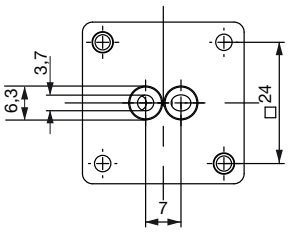
View without cable plug



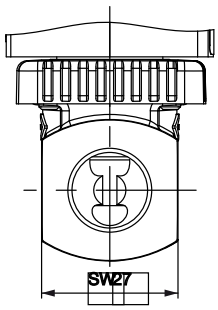


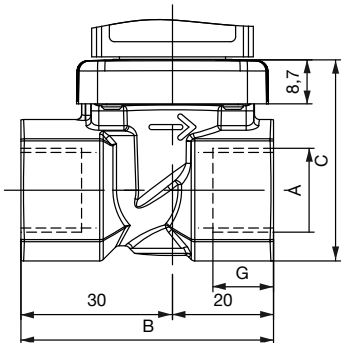


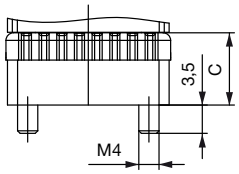
Sub-base version (SFB)
underside view



G ⅜ connection







Port connection	Body dimensions [mm] A	B	C	D	G
G ⅛	G ⅛	32	20.8	32.6	8
G ¼	G ¼	46	26.8	49	12
G ⅜	G ⅜	50	39.8	49	12
Sub-base (SFB)	–	32	14.3	32.6	–

Coil width E [mm]	Coil depth F [mm]
32 (8 W)	45 (8 W)
32 (8 W)	45 (8 W)
40 (10 W)	51 (10 W)
32 (8 W)	45 (8 W)

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

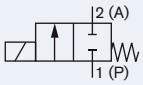
DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Ordering chart for valves (other versions on request)

6013 Normally closed valve with FKM seal, brass or stainless steel body (class B)

Delivered without cable plug (see accessories)

Circuit function	Orifice [mm]	Port connection	K_V value water [m^3/h] [1]	Coil power [W]	Pressure range [bar] [2]	Voltage/ Frequency [V/Hz]	Article no. brass body FKM Seal	Article no. Stainless steel body, FKM seal
A 2/2 way valve NC 	2.0	G ⅛	0.12	8	0 - 12	024/DC	134237	134233
					0 - 25	024/50	132865	134234
					0 - 25	230/50	134239	134236
		G ¼	0.12	8	0 - 12	024/DC	137537	137533
					0 - 25	024/50	137538	137534
					0 - 25	230/50	137540	137536
		sub-base (SFB)	0.12	8	0 - 12	024/DC	134244	–
					0 - 25	024/50	134245	–
					0 - 25	230/50	134247	–
	2.5	G ⅛	0.16	8	0 - 10	024/DC	134240	–
					0 - 16	024/50	134241	–
					0 - 16	230/50	134243	–
	3.0	G ⅛	0.23	8	0 - 6	024/DC	126091	126078
					0 - 10	024/50	126092	126079
					0 - 10	230/50	126094	126081
		G ¼	0.23	8	0 - 6	024/DC	125301	125317
					0 -10	024/50	125302	126082
					0 - 10	230/50	125304	126084
		G ⅜	0.23	10	0 – 8	024/DC	134248	–
					0 – 14	024/50	134249	–
					0 – 14	230/50	134251	–
	4.0	G ¼	0.30	8	0 - 1.5	024/DC	125306	125318
					0 - 4	024/50	125307	125319
					0 - 4	230/50	125309	125320
		G ⅜	0.30	10	0 – 2.5	024/DC	134252	–
					0 – 6	024/50	134253	–
					0 – 6	230/50	134255	–
	6.0	G ¼	0.55	8	0 - 0.5	024/DC	125311	126086
					0 - 1.5	024/50	125312	126087
					0 - 1.5	230/50	125314	126089
		G ⅜	0.55	10	0 – 0.75	024/DC	134256	–
					0 – 2.5	024/50	134257	–
					0 – 2.5	230/50	134259	–

[1] Measured at +20 °C, 1 bar[2] pressure at valve inlet and free outlet..
[2] Measured as overpressure to the atmospheric pressure

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

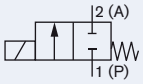
DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Ordering chart for valves (continued)

6013 Normally closed valve for high temp. applications (-40 °C to +180 °C) PTFE seat seal, brass body (class H)

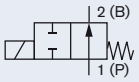
Delivered without cable plug (see accessories)

Circuit function	Orifice [mm]	Port connection	K_v value water [m^3/h] [1]	Coil power [W]	Pressure range [bar] [2]	Voltage/ Frequency [V/Hz]	Article no.
A 2/2 way valve NC 	2.0	G ¼	0.12	8	0 – 12	024/DC	136015
					0 – 25	024/50	136016
					0 – 25	230/50	136018
	3.0	G ¼	0.23	10	0 – 6	024/DC	136019
					0 – 10	024/50	136020
					0 – 10	230/50	136022
		G ⅜	0.23	10	0 – 8	024/DC	136023
					0 – 14	024/50	136024
					0 – 14	230/50	136026

[1] Measured at +20 °C, 1 bar[2] pressure at valve inlet and free outlet.
[2] Measured as overpressure to the atmospheric pressure.

6013 Normally open valve with FKM seal, brass body (class H)

Delivered without cable plug (see accessories)

Circuit function	Orifice [mm]	Port connection	K_v value water [m^3/h] [1]	Pressure range [bar] [2]	Coil power [W]	Voltage/ Frequency [V/Hz]	Article no.
B 2/2 way valve NO 	2.0	G ⅛	0.12	0-16	8	24/DC	213543
					7	230/50	213550
	3.0	G ⅛	0.23	0-8	8	24/DC	213545
					7	230/50	213551
		G ¼	0.23	0-8	8	24/DC	213546
					7	230/50	213552
	4.0	G ¼	0.3	0-4	8	024/DC	213548
					7	230/50	213553
	6.0	G ¼	0.55	0-2	8	024/DC	213549
					7	230/50	213554

[1] Measured at +20 °C, 1 bar[2] pressure at valve inlet and free outlet..
[2] Measured as overpressure to the atmospheric pressure

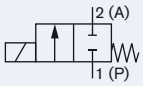
DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Ordering chart - Standard temperature version for DC power supply, impulse version

6013 Impulse valves, seal material FKM (class H)

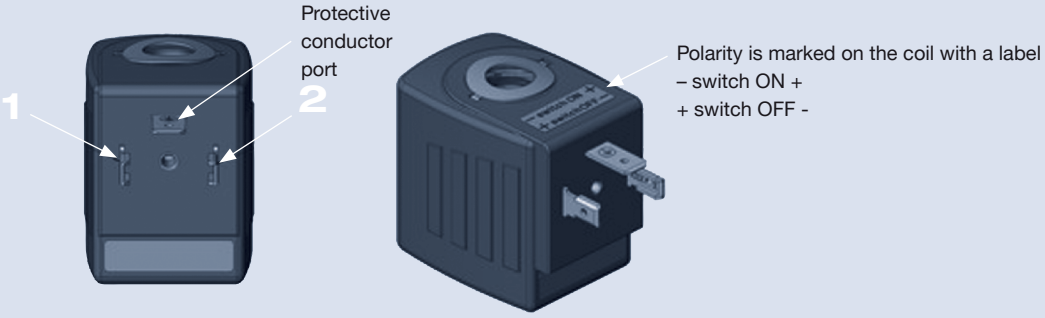
Circuit function	Port connection	Orifice [mm]	K_V value water [m³/h] [1]	Pressure range [bar] [2]	Power consumption DC (hot/cold coil) [W]	Article no. per voltage [V] 012/DC	024/DC
A 2/2 way valve 	**Brass body**						
	Sub-base (SFB)	2.0	0.12	0 - 16	7	209266	209272
		2.5	0.16	0 - 10	7	209267	209273
		3.0	0.23	0 - 6	7	209268	209274
	G ⅛	2.0	0.12	0 - 16	7	209269	209275
		2.5	0.16	0 - 10	7	209270	209276
		3.0	0.23	0 - 6	7	209271	209277

[1] Measured at +20 °C, 1 bar[2] pressure at valve inlet and free outlet
[2] Measured as overpressure to the atmospheric pressure

Please note that the cable plug must be ordered separately (see accessories and separate datasheet, Type 2508).

Control for impulse version with polarity reversal control

Polarity is marked on the coil with a label	Features	Terminal connections
- switch ON +	valve open	(+) on terminal 2 and (-) on terminal 1 (see below)
+ switch OFF -	valve closed	(+) on terminal 1 and (-) on terminal 2 (see below)



Pulse duration at least 50 ms.

Note: Please use only the cable plug without electrical circuitry for the impulse version

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Technical data - analytical version

Analysis version	Media flowing through are not contaminated
Limit for risidual carbon	< 0.2 mg/dm²
Permissible leakage rate for medium	10^{-4} mbar l/sec • Neutral medium, which does not attack the body and seal materials • Technical vacuum
Electr. connection	Tag connector acc. to DIN EN 175301-803 Form A (previously DIN43650) for cable plug Type 2508 (see accessories)
Mounting instructions	No oils, fats or silicone used during the assembly

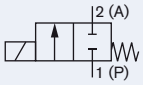
Solenoid valves for higher Requirements
This version is particularly suitable for switching from extremely pure gaseous medium. All media-affected parts are submitted to additional purification processes, so that the media is not contaminated under any circumstances.

The tightness test takes place at the Helium leak detector from a min. of 10^{-4} mbar l/sec.

Ordering chart (other versions on request)

6013 Analysis normally closed valve with seal material FKM and brass body (class B)

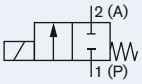
Delivered without cable plug (see accessories)

Circuit function	Orifice [mm]	Port connection	K_V value water [m³/h][1]	Pressure range [bar][2]	Coil power [W]	Voltage/ Frequency [V/Hz]	Article no.
A 2/2 way valve NC 	2.0	G ⅛	0.12	0-12	8	24/DC	137826
				0-25		230/50	137827
	2.5	G ⅛	0.16	0-10	8	24/DC	137828
				0-16		230/50	137829
	3.0	G ¼	0.23	0-6	8	24/DC	137830
				0-10		230/50	137831
	4.0	G ¼	0.30	0-1.5	8	24/DC	137832
				0-4		230/50	137833

[1] Measured at +20 °C, 1 bar[2] pressure at valve inlet and free outlet..
[2] Measured as overpressure to the atmospheric pressure

6013 Analysis normally closed valve with seal material FKM and stainless steel body (class B)

Delivered without cable plug (see accessories)

Circuit function	Orifice [mm]	Port connection	K_V value water [m³/h][1]	Pressure range [bar][2]	Coil power [W]	Voltage/ Frequency [V/Hz]	Article no.
A 2/2 way valve NC 	2.0	G ⅛	0.12	0-12	8	24/DC	137818
				0-25		230/50	137819
	2.0	G ¼	0.12	0-12	8	24/DC	137820
				0-25		230/50	137821
	3.0	G ¼	0.23	0-6	8	24/DC	137822
				0-10		230/50	137823
	4.0	G ¼	0.30	0-1.5	8	24/DC	137824
				0-4		230/50	137825

[1] Measured at +20 °C, 1 bar[2] pressure at valve inlet and free outlet..
[2] Measured as overpressure to the atmospheric pressure

Please note that the cable plug must be ordered separately (see accessories and separate datasheet, Type 2508).

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Technical data of the DVGW version

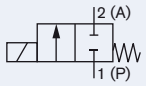
DVGW version	DIN EN 161:2013; DIN EN 13611:2015
Seal material	NBR
Medium	Flammable gases such as town gas; district gas; liquid gas; hydrogen
Mediums temperature	0 to +80 °C
Ambient temperature	0 to +55 °C
Max. Operating pressure	0 to 5 bar
Circuit function	A normally closed

The Type 6013 DVGW solenoid valve is designed primarily as an automatic safety shut-off valve for flammable gases. A strainer is installed in the inlet of the valve.

Ordering chart for valves (other versions on request)

6013 Normally closed valve with NBR seal, brass body (class B)

Delivered without cable plug (see accessories)

Circuit function	Orifice [mm]	Port connection	K_v-value [m^3/h][1]	Pressure range [bar][2]	Coil power [Watt]	Voltage/ frequency [V/Hz]	Article no.
A 2/2 way valve NC 	3	G 1/4	0.23	0-5	8	24/DC	258362
	3	G 1/4	0.23	0-5	8	230/50	296548
	4	G 1/4	0.3	0-1.5	8	24/DC	258361
	4	G 1/4	0.3	0-4	8	230/50	296549
	6	G 1/4	0.55	0-0.5	8	24/DC	266293
	6	G 1/4	0.55	0-1.5	8	230/50	301072

[1] Measured at + 20 °C, 1 bar[2] pressure at valve inlet and free outlet

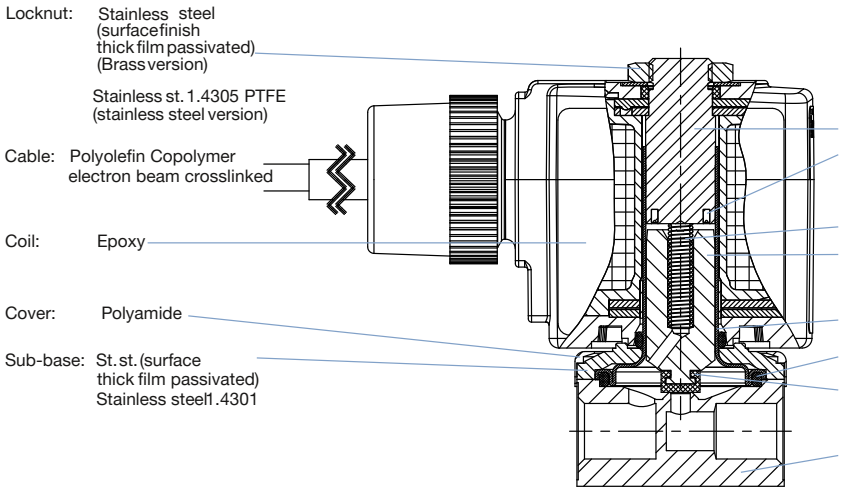
[2] Measured as overpressure to the atmospheric pressure

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Materials for ATEX/IECEx cable version



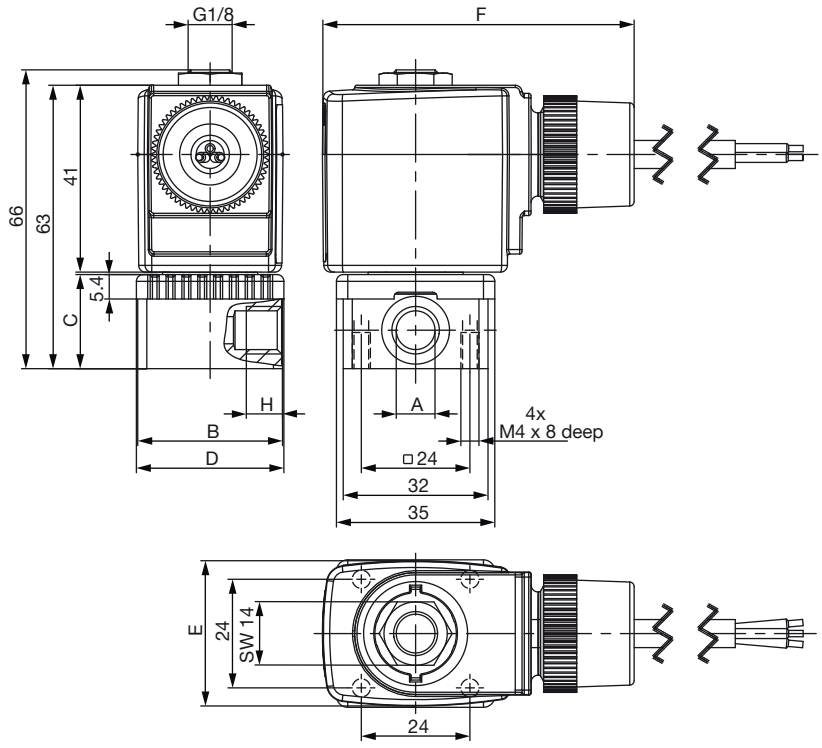
DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

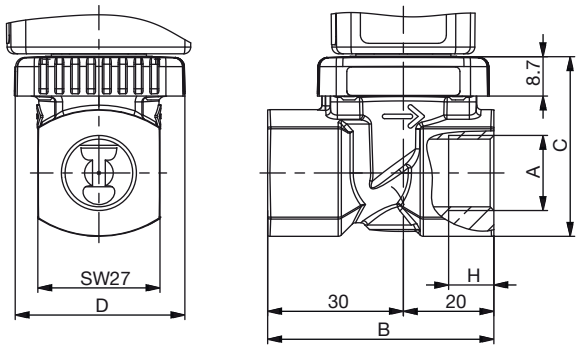
DOWNLOADED FROM WWW.SCATTS.CO.UK

Dimensions for ATEX/IECEx cable version [mm]

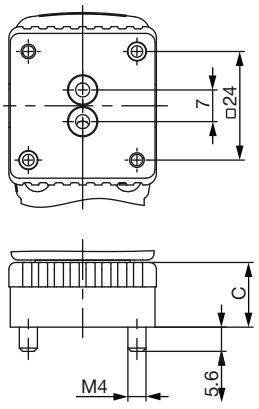
Threaded version, G1/8



Threaded version, G3/8



Sub-base version (SFB)
underside view



Port connection	Body dimensions [mm] A	B	C	D	H
G ⅛	G ⅛	32	20.8	32.6	8
G ¼	G ¼	46	26.8	49	12
G ⅜	G ⅜	50	39.8	38	12
Sub-base version {SFB)	–	32	13.3	32.6	–

Coil size	E [mm]	F [mm]
5	32	69
6	40	75

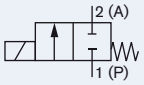
DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Ordering chart for valves - ATEX/IECEx cable versions (other versions on request)

6013 Normally closed valve, Ex m T4 approved with seal material FKM and molded cable (3 m), single mounting only

Circuit function	Orifice [mm]	Port connection	K_v value water [m³/h]	Coil effective power [W]	Pressure range [bar]	Voltage/ Frequency [V/Hz]	Article no. Brass body	Article no. Stainless steel body
A 2/2 way valve NC 	2.0	sub-base (SFB)	0.11	7	0-6	24/UC	278607	278614
						230/UC	278608	x
		G ⅛	0.12	9	0-10	24/UC	278592	278584
						230/UC	x	278585
		G ¼	0.12	9	0-10	24/UC	278605	278601
						230/UC	278606	278603
	2.5	G ⅛	0.16	9	0-8	24/UC	278593	x
						230/UC	x	x
	3.0	G ⅛	0.23	9	0-5	24/UC	x	278586
						230/UC	x	x
		G ¼	0.23	9	0-5	24/UC	278594	278587
						230/UC	278596	278589
	4.0	G ¼	0.30	9	0-1.2	24/UC	278597	278590
						230/UC	x	278591
	6.0	G ¼	0.55	9	0-0.4	24/UC	278598	278604
						230/UC	278599	x

x on request

The maximum fluid temperature must not in any case exceed the permissible temperature class (T4 135 °C, 100 °C T5, T6 85 °C), minus 5 K).

ATEX and IECEx approval for coils with fixed cable outlet

ATEX: PTB 14 ATEX 2023 X
II 2G Ex mb IIC T4 Gb
II 2D Ex mb IIIC T135 °C Db

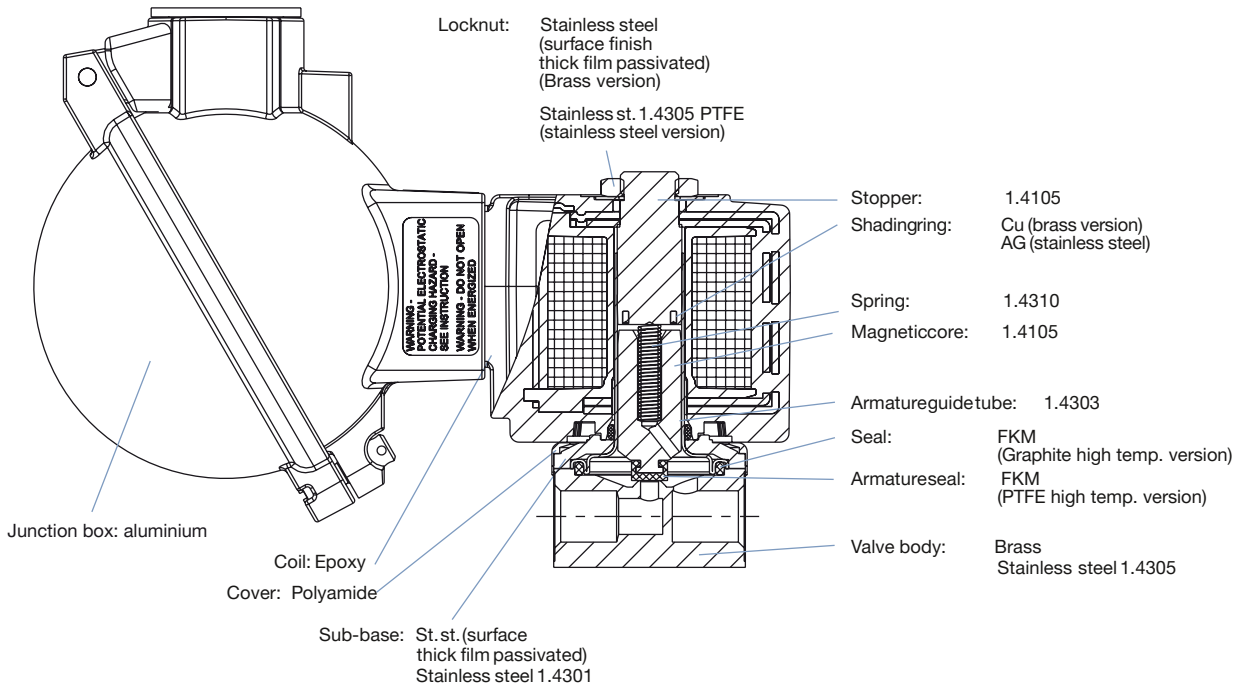
IECEx: IECEx PTB 14.0049 X
Ex mb IIC T4 Gb
Ex mb IIIC T135 °C Db

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Materials for ATEX/IECEx junction box version

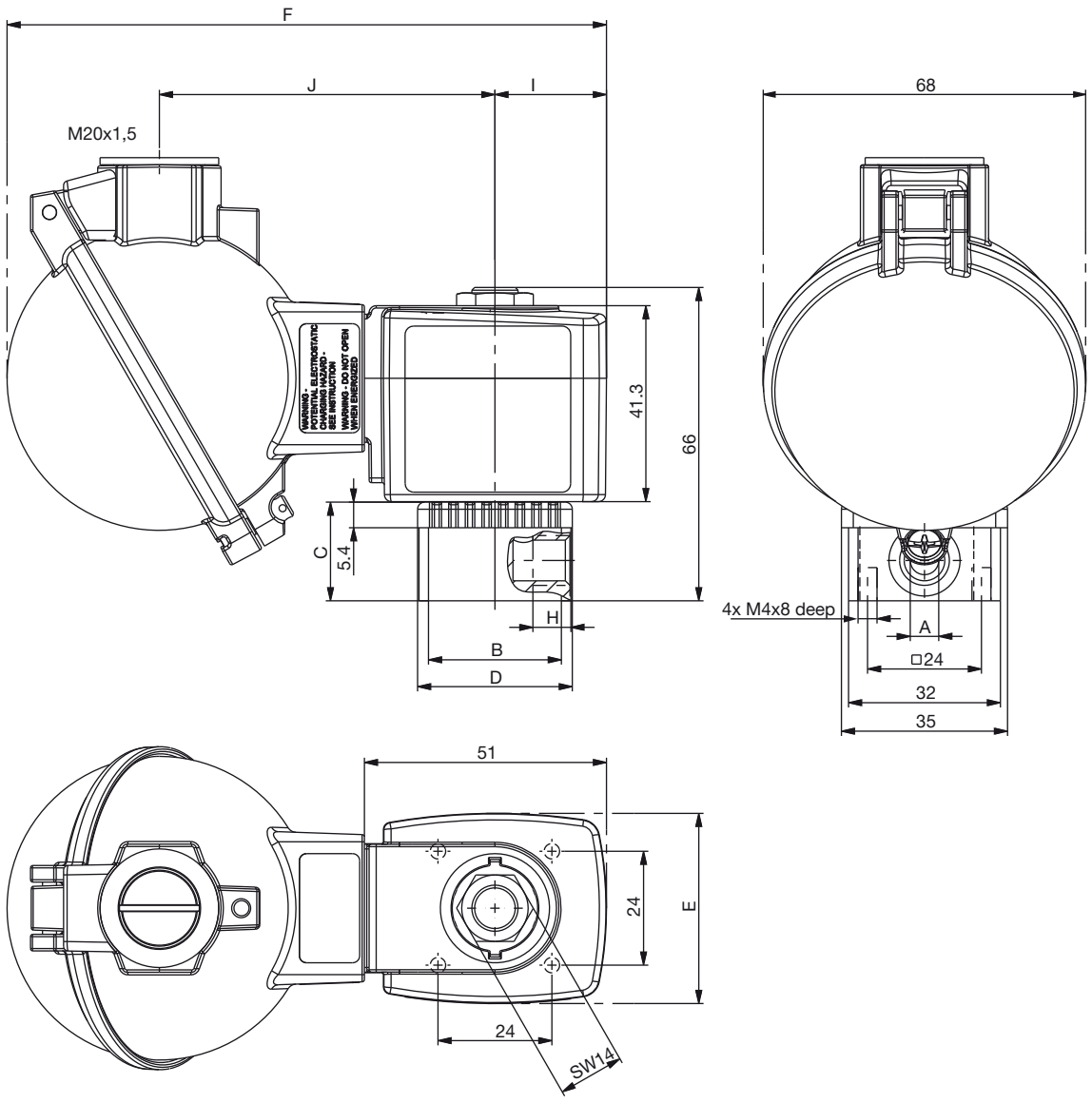


DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Dimensions for ATEX/IECEx junction box version



Port connection	Body dimensions [mm] A	B	C	D	H
G ⅛	G ⅛	32	20.8	32.6	8
G ¼	G ¼	46	26.8	49	12
G ⅜	G ⅜	50	39.8	38	12
Sub-base version {SFB)	–	32	13.3	32.6	–

Coil size	E [mm]	F	I	J
5	32	120.3	20.5	69
6	40	126.3	23.5	70.7

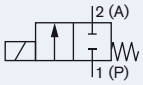
DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

DOWNLOADED FROM WWW.SCATTS.CO.UK

Ordering chart for valves - ATEX/IECEx junction box versions (other versions on request)

6013 Normally closed valve, Ex m T4 approved with seal material FKM and junction box, single mounting only

Circuit function	Orifice [mm]	Port connection	K_v value	Coil effective power	Pressure range	Voltage/ Frequency	Article no. Brass body	Article no. Stainless steel body
A 2/2 way valve NC 	1.5	sub-base (SFB)	0.08	9	0 - 16	24/UC	288424	x
	2	G ⅛	0.12		0 - 10	24/UC	288430	288437
						230/UC	288431	288438
		G ¼				24/UC	288433	288439
						230/UC	288435	288441
	3	G ⅛	0.23		0 - 5	24/UC	297741	x
						230/UC	x	x
		G ¼				24/UC	x	288449
						230/UC	x	288451
	4		0.3		0 - 1.2	24/UC	288452	288453
						230/UC	x	288455
	6		0.55		0 - 0.4	24/UC	288456	288459
						230/UC	288457	288460

x on request

The maximum fluid temperature must not in any case exceed the permissible temperature class (T4 135 °C, 100 °C T5, T6 85 °C), minus 5 K.

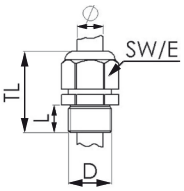
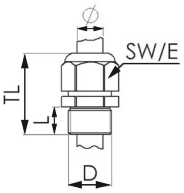
ATEX and IECEx approval for the assembly of the coil and the junction box

ATEX: EPS 16 ATEX 1046 X
II 2G Ex eb mb IIC T4 Gb
II 2D Ex mb tb IIIC T130 °C Db

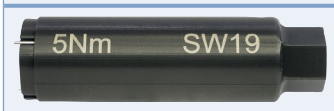
IECEx: IECEx EPS 16.0021 X
Ex eb mb IIC T4 Gb
Ex mb tb IIIC T130 °C Db

Ex-Cable glands

(polyamide version included in delivery / surcharge applied for brass nickel plated version)

Photo	Description	Ex Approvals		Article no	Drawing
		Certification	Identification		
	Brass. nickelplated, 6 - 13 mm	PTB 04 ATEX 1112 X, IECEx PTB 13.0027X	II 2 G Ex e IIC Gb, II 2 D Ex tb IIIC Db IP68,	773278	 TL 29 - 37 mm; L 6 mm; D 20; SW 24 mm; E 27 mm
	Polyamide, 7 - 13 mm	PTB 13 ATEX 1015 X, IECEx PTB 13.0034X	II 2 G Ex e IIC Gb, II 2 D Ex tb IIIC Db IP68	773277	 TL 36 - 45 mm; L 10 mm; D 20; SW 24 mm; E 28 mm

Special tool to turn the junction box (not included in delivery)

Photo	Description	Article no.
	Set SC02-AC10 Special wrench Service Manual	293488

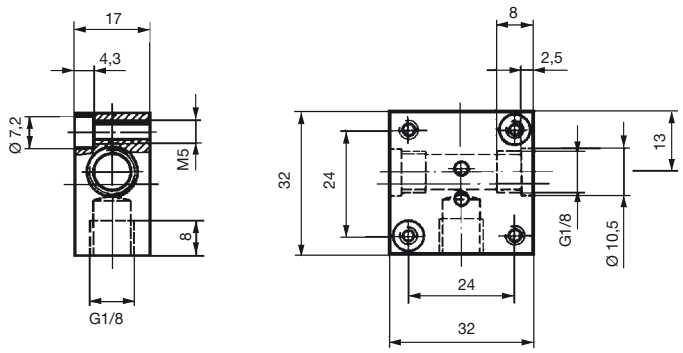
DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

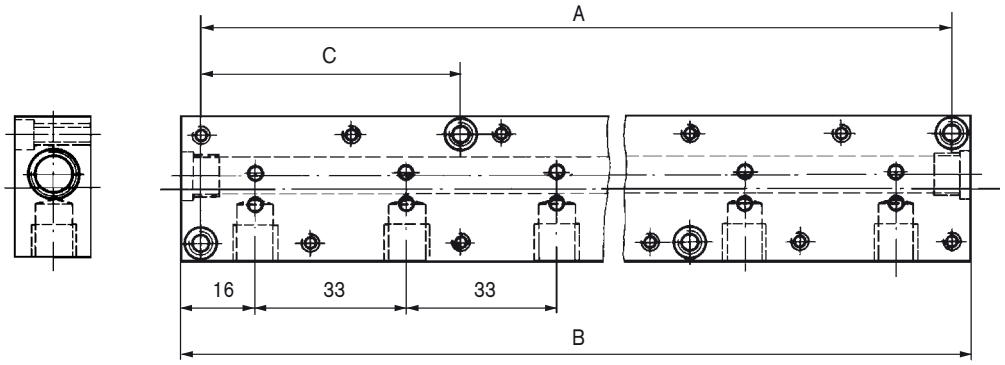
DOWNLOADED FROM WWW.SCATTS.CO.UK

Manifold mounting

Single manifold



Multiple manifold



Ordering chart for Manifolds

Accessory part	Quantity of valve places				Article no.
Single manifold	in aluminium				005020
Multiple manifold	**in aluminium**	**Hole spacing A [mm]**	**Total length B [mm]**	**Hole spacing C [mm]**	
	2	57	65	–	005023
	3	90	98	–	005286
	4	123	131	–	005287
	5	156	164	57	005035
	6	189	197	57	005038
	8	255	263	90	005386
	10	321	329	90	005764
Connector nipple	with O-Ring, to connect from manifold				005040
Covering plate	with screws and O-ring for locking unoccupied valve positions				005630

With manifold mounting, please comply with the permissible duty cycle (5 W models with 100 % continuous rating or 8 W model with 60 % duty cycle). The pressure port for the manifold is designated with P (R), and the outlet port with A (B). Only connect together ports with the same designation.

2/2 way valves of Type 6013 can be operated together on a manifold with 3/2 way valves of Type 6014, circuit function C (not D or T!) if the operating pressures agree according to the rating plates. The manifolds can also be expanded if the valve functions are taken into consideration. Connector nipples with O-rings are used to connect the P (R) ports.

Attention!
Unused, open valve ports must be closed off with covering plates (see accessories). Manifold should be fixed on to a rail.

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

DOWNLOADED FROM WWW.SCATTS.CO.UK

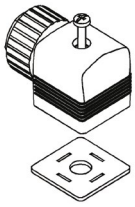
DOWNLOADED FROM WWW.SCATTS.CO.UK

Ordering chart for accessories

Cable plug Type 2508 acc. to DIN EN 175301-803 Form A (previously DIN 43650)

Included in delivery is a cable plug with flat seal and fixing screw. Other versions, see Datasheet: Type 2508.

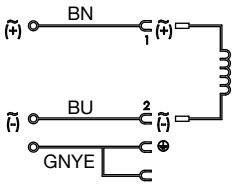
Circuit	Voltage	Article no.
without circuitry	0 - 250 V	008376
with LED	12 - 24 V	008360
with LED and varistor	12 - 24 V	008367
with LED and varistor	200 - 240 V	008369
with inverter[1)]	24 V DC	on request
further versions	see datasheet Type 2508	



[1)] The inverter plug contains an electronic, which especially enables the electric 3 wire control
Input for 3 wire technology, common "-" polarity, two split "+" polarity.
Output suitable for implulse version for Type 6013/6014

Cable plug Type 2513 acc. to DIN EN 175301-803, Form A

Meets the requirements of ATEX category 3 GD



Cable length [mm]	Article no. [in mm]
12000	260893
5000	260892
3000	260891
300	260890

Further versions on request

Approval
UL / UR / CSA
FM / CSA-EX Div ½
European gas approval Class A, Group 2

Port connection
Threaded port NPT, Rc

Voltage
Further voltages

Materials
Seal material EPDM

Pressure
Variants with increased coil power for higher medium pressure

DTS 1000011032 EN Version: AC Status: RL (released | freigegeben | validé) printed: 10.02.2020

To find your nearest Burkert facility, click on the orange box → **www.burkert.com**

In case of special application conditions, please consult for advice..

Subject to alterations
© Christian Bürkert GmbH & Co. KG

1802/24_EU-en_00891729

DOWNLOADED FROM WWW.SCATTS.CO.UK

SCATTERGOOD & JOHNSON LTD
ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS
Est.1899

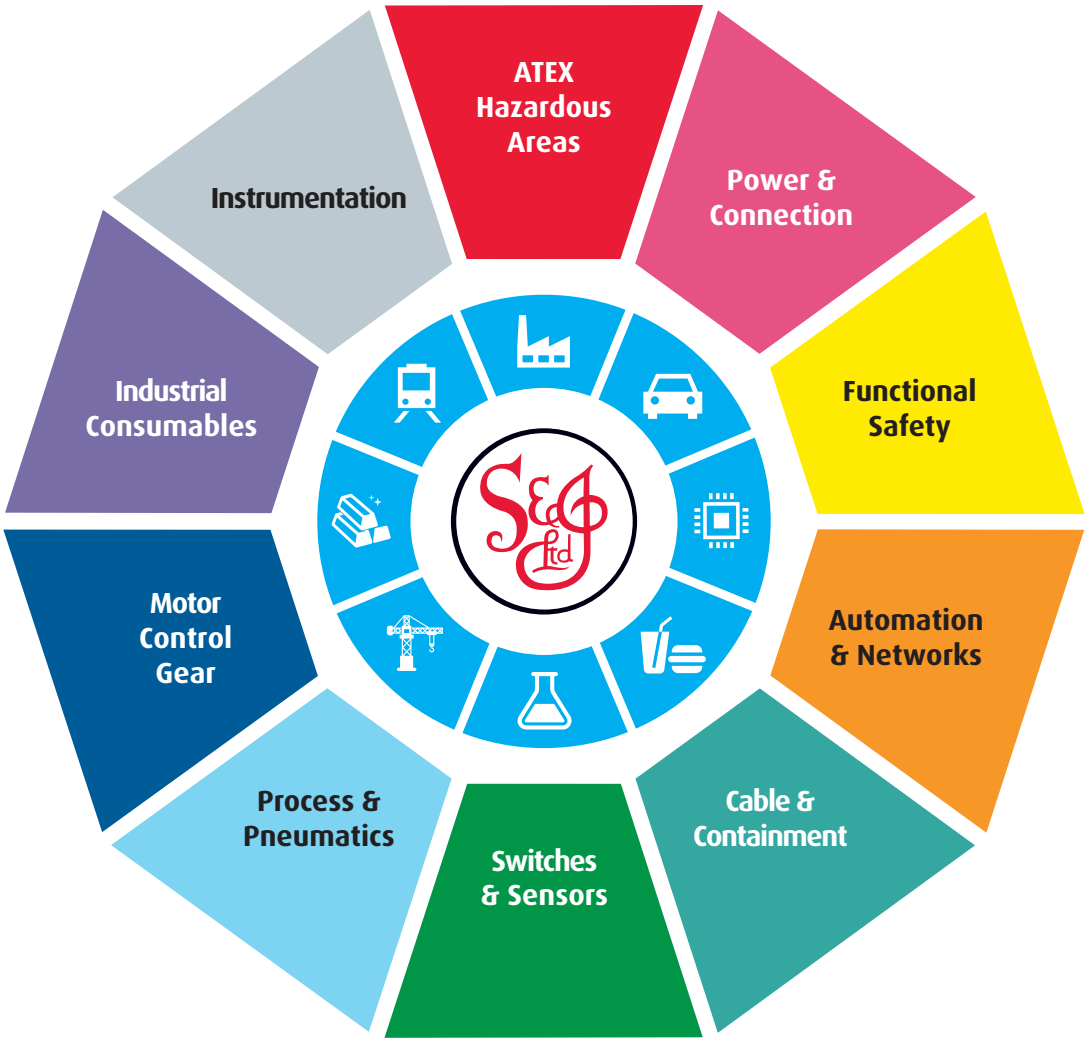
At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk