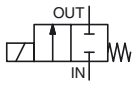
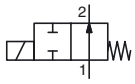
SOLENOID VALVES

direct operated
for high pressure fluids
1/8

NC 

NO 

2/2
Series
262

C

FEATURES

- *Valves do not require a minimum operating pressure and have a high operating pressure as indicated*
- *Valves operation is not affected by mounting position*
- *The solenoid valves satisfy all relevant EC directives*

GENERAL

Differential pressure	See «SPECIFICATIONS» [1 bar =100 kPa]
Maximum viscosity	65 cSt (mm²/s)
Response time	5 - 25 ms

fluids (∗)	temperature range (TS)	seal materials (∗)
air, inert gas, water, oil	- 20°C to + 90°C - 20°C to + 40°C	NBR (nitrile) UR (cast urethane)

MATERIALS IN CONTACT WITH FLUID

(∗) Ensure that the compatibility of the fluids in contact with the materials is verified

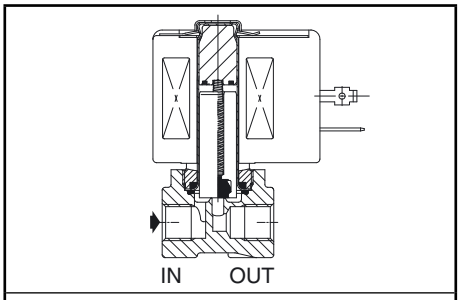
	Brass body	Stainless steel body
Body	Brass	AISI 303 SS
Core tube	Stainless steel	Stainless steel
Core and plugnut	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Seat	Brass	Stainless steel
Seals	NBR	NBR
Disc	NBR or UR	NBR or UR
Disc holder (NO function)	POM	POM
Shading coil	Copper	Silver

ELECTRICAL CHARACTERISTICS

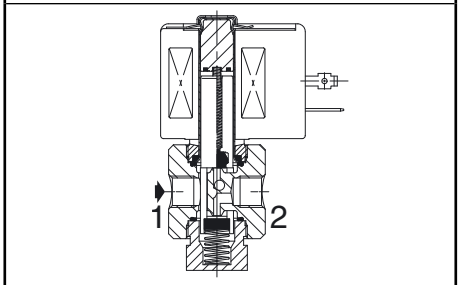
Coil insulation class	F
Connector	Spade plug (cable Ø 6-10 mm)
Connector specification	ISO 4400 / EN 175301-803, form A
Electrical safety	IEC 335
Electrical enclosure protection	Moulded IP65 (EN 60529)
Standard voltages	DC (=) : 24V - 48V
(Other voltages and 60 Hz on request)	AC (~) : 24V - 48V - 115V - 230V / 50 Hz

prefix option	power ratings inrush ~ (VA)	power ratings holding ~ (VA)	power ratings holding ~ (W)	power ratings hot/cold = (W)	operator ambient temperature range (TS) (C°)	replacement coil ~ 230 V/50 Hz	replacement coil = 24 V DC	type (1)
SC	34	15,6	6	7 / 9,7	-20 to + 75	400325-117	400325-142	01
	30	22,5	9	9,5/15,3	-20 to + 50	400325-217	400325-242	

(1) Refer to the dimensional drawings on the following page.



NC function



NO function

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar) min.	max. (PS) air (∗) ~	air (∗) =	water (∗) ~	water (∗) =	oil (∗) ~	oil (∗) =	power coil (W) ~	power coil (W) =	catalogue number brass ~/=	catalogue number stainless steel ~/=	options maintained man. operator	options impulse man. operator	FPM	EPDM	CR	PTFE
	(mm)	(m³/h)	(l/min)																	
NC - Normally closed, NBR seals and disc																				
G 1/8	1,2	0,05	0,8	0	50	45	50	45	35	35	6	9,7	**SCG262C001**	-	-	-	V	E	J	T
NPT 1/8													-	**SCB262C012**	MO	-	V	E	J	T
G 1/8	2,4	0,17	2,8	0	20	10	20	10	10	9	6	9,7	**SCG262C014**	-	-	-	V	E	J	T
NPT 1/8													-	**SCB262C015**	-	-	V	E	J	T
G 1/8	2,4	0,17	2,8	0	23	15	28	15	20	13	9	15,3	**SCG262C011**	-	-	-	V	E	J	T
G 1/8	3,2	0,3	5	0	11	5	12	5	9	5	6	9,7	**SCG262C002**	-	MO	-	V	E	J	T
NPT 1/8													-	**SCB262C006**	MO	-	V	E	J	T
G 1/8	3,2	0,3	5	0	15	8	14	8	12	7	9	15,3	**SCG262C016**	-	MO	-	V	E	J	T
NC - Normally closed, NBR seals and UR disc																				
G 1/8	1,2	0,05	0,8	0	130	-	100	-	60	-	9	-	**SCG262C095**	-	-	-	-	-	-	T
NPT 1/8													-	**SCB262C079**	-	-	-	-	-	T
NO - Normally open, NBR seals and disc																				
Rp 1/8	1,6	0,08	1,3	0	35	27	20	17	15	10	6	9,7	**SCE262C091**	-	-	-	V	E	J	T
NPT 1/8													-	**SCB262C092**	-	-	V	E	J	T
Rp 1/8	2,4	0,13	2,7	0	20	13	13	7	10	7	6	9,7	**SCE262C093**	-	-	-	V	E	J	T
NPT 1/8													-	**SCB262C094**	-	-	V	E	J	T
Rp 1/8	3,2	0,18	3	0	8	5	7	4	6	3	6	9,7	**SCE262C031**	-	-	MO	V	E	J	T
NPT 1/8													-	**SCB262C035**	-	MO	V	E	J	T

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OPTIONS

- Valves can also be supplied with FPM (fluoroelastomer), EPDM (ethylene-propylene), CR (chloroprene) and PTFE seals and discs. Use the appropriate optional suffix letter for identification
- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE-10
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
- Electrical enclosures according to "NEMA" standards are available
- Compliance with "UL", "CSA" and other local approvals available on request
- Mounting brackets for brass body valves, suffix MB
- Other pipe connections are available on request
- Plug with visual indication and peak voltage suppression or with cable length of 2 m (see Solenoids, Coils & Accessories section)

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation
- Solenoid valves have 2 mounting holes in body
- Stainless steel valves are standard supplied with mounting brackets
- Pipe connection identifier is G = G (ISO 228/1), E = Rp (ISO 7/1) or B = NPT (ANSI 1.20.3)
- Installation/maintenance instructions are included with each valve

SPARE PARTS KIT & ACCESSORIES

catalogue number	spare parts kit no.		mounting bracket no.
	~	=	
SCG262C001	**C302006**	**C302058**	**164706-001**
SCG262C002/011/014/016	**C302014**	**C302058**	**164706-001**
SCG262C006/015	**C302016**	**C302060**	**164706-001**
SCG262C012	**C302008**	**C302060**	**164706-001**
SCG262C079	**C302012**	**-**	**164706-001**
SCG262C095	**C302010**	**-**	**164706-001**
SCE262C031	**C302012**	**-**	**164706-001**
SCE262C091	**C097847**	**C100056**	**212299-001**
SCE262C093	**C097848**	**C100056**	**212299-001**
SCB262C035	**C302043**	**C302074**	**212299-001**
SCB262C092	**C302043**	**C302074**	**212299-001**
SCB262C094	**C302043**	**C302074**	**212299-001**

(1) Standard prefixes/suffixes are also applicable to kits.
- Not available

ORDERING EXAMPLES:

SC	G	262 **C** 001		230V / 50 Hz
SC	B	262 **C** 006	**MO**	115V / 50 Hz
SC	G	262 **C** 002	**V**	24V / DC
SC	E	262 **C** 091		230V / 50 Hz

prefix — pipe thread — basic number — suffix — voltage

ORDERING EXAMPLES KITS:

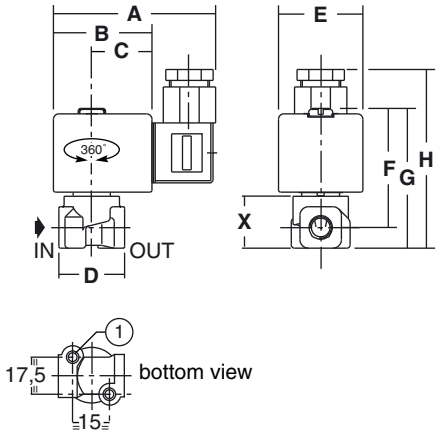
C302006(1)
C100056 **V**
C097847 **E**

basic number — suffix

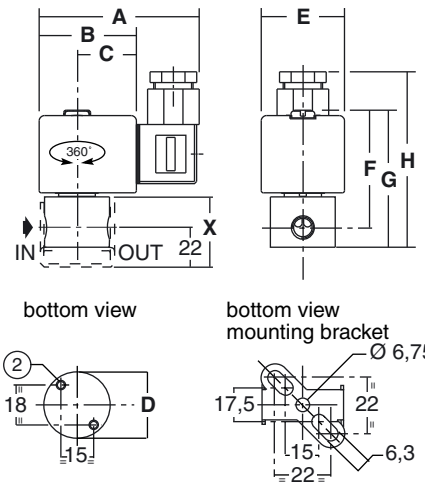
DIMENSIONS (mm), WEIGHT (kg)

TYPE 01
Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

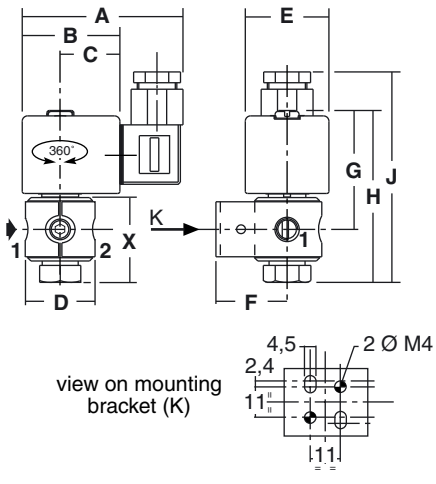
SCG262C001/002/011/014/016/095



SCB262C006/012/015/079



SCE262C091/093/031
SCB262C092/094/035



type	prefix option	catalogue number	A	B	C	D	E	F	G	H	J	X	weight (2)
01	SC	SCG262C001/002/011/014/016/095	75	45	27	30	39	56	64	81	-	25	0,4
		SCB262C006/012/015/079	75	45	27	30	39	56	64	80	-	36	0,4
		SCE262C091/093/031 SCB262C092/094/035	75	45	27	30	39	33	57	79	95	40	0,45

(2) Incl. coil(s) and connector(s).

2 mounting holes Ø M4:
① depth 6 mm
② depth 8 mm
[Mounting hole thread may differ if pipe connection is changed (NPT, ...).]

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