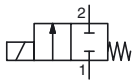
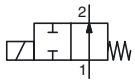
SOLENOID VALVES

direct operated
for high pressure fluids
1/4

NC 

NO 

2/2
Series
262

C

FEATURES

- *Valves do not require a minimum operating pressure and have a high operating pressure as indicated*
- *Valve 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

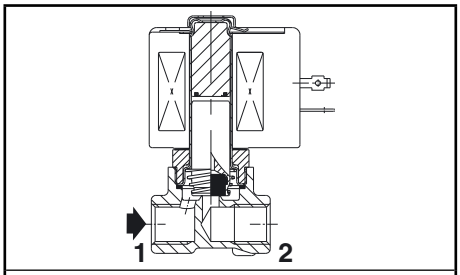
Body Brass
Core tube Stainless steel
Core and plugnut Stainless steel
Springs Stainless steel
Seat Brass
Seals NBR
Disc NBR or UR
Disc holder (NO function) PA
Shading coil Copper

ELECTRICAL CHARACTERISTICS

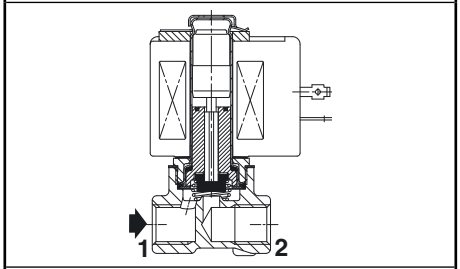
Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (=) : 24V - 48V
(Other voltages and 60 Hz on request) AC (~) : 24V - 48V - 115V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

prefix option	power ratings inrush ~ (VA)	holding ~ (VA)	holding ~ (W)	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	01
	55	23	10,5	9/11,2	-20 to + 75	400425-117	400425-142	02
	78	35	16,7	-	-20 to + 50	400425-217	-	02
	-	-	-	14/19,7	-20 to + 25	-	400425-342	02

(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 ~/=	options maintained man. operator	FPM	EPDM	CR	PTFE
G	(mm)	(m³/h)	(l/min)															
NC - Normally closed, NBR seals and disc																		
1/4	1,2	0,05	0,8	0	50	35	50	35	35	35	6	9,7	**SCG262C019**	-	V	E	J	T
	2,4	0,17	2,8	0	25	10	25	8	11	8	6	9,7	**SCG262C020**	-	V	E	J	T
					35	15	35	10	20	10	9	15,3	**SCG262C021**	-	V	E	J	T
	3,2	0,3	5	0	9	4	11	4	6	4	6	9,7	**SCG262C022**	MO	V	E	J	T
					15	7	16	6	11	6	9	15,3	**SCG262C023**	MO	V	E	J	T
					20	5	20	4	13	4	10,5	11,2	**SCG262D232**	MO	V	E	J	T
	4	0,43	7,2	0	12	2,5	13	2,5	10	3	10,5	11,2	**SCG262C202**	MO	V	E	J	T
	5,6	0,62	10,3	0	6,5	1,7	6,5	1,7	6,5	1,7	10,5	11,2	**SCG262C208**	MO	V	E	J	T
		0,73	12,2	0	2,5	1,2	3,0	1,3	2,5	1,3	6	9,7	**SCG262C013**	MO	V	E	J	T
	7,1	0,82	13,7	0	1,8	1	2,5	1	1,9	1	6	9,7	**SCG262C090**	MO	V	E	J	T
		0,75	12,5	0	4	1,2	5	1	4	1,2	10,5	11,2	**SCG262C210**	MO	V	E	J	T
					6	1,7	6,5	1,3	6	1,3	16,7	19,7	**SCG262B212**	-	V	E	J	T
NC - Normally closed, NBR seals and UR disc																		
1/4	1,2	0,05	0,8	0	100	32	100	32	75	30	10,5	11,2	**SCG262D200**	MO	-	-	-	T
NO - Normally open, NBR seals and disc																		
1/4	3,2	0,3	5	0	9	5,5	7	4	6,5	4	10,5	11,2	**SCG262A262**	-	V	E	J	T
	4	0,43	7,2	0	5,5	3	5	2	4	2	10,5	11,2	**SCG262A263**	-	V	E	J	T
	5,6	0,73	12,2	0	3	1,7	2,5	1,3	2,5	1,3	10,5	11,2	**SCG262A264**	-	V	E	J	T
	7,1	0,82	13,7	0	2	1	1,7	1	1,3	1	10,5	11,2	**SCG262A265**	-	V	E	J	T
NO - Normally open, NBR seals and UR disc																		
1/4	1,2	0,05	0,8	0	50	35	50	45	50	50	10,5	11,2	**SCG262A260**	-	-	-	-	T
	2,4	0,17	2,8	0	20	13	20	10	10	9	10,5	11,2	**SCG262A261**	-	-	-	-	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, 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
- Pipe connection identifier is G = G (ISO 228/1)
- Installation/maintenance instructions are included with each valve

SPARE PARTS KIT & ACCESSORIES

catalogue number	spare parts kit no.		mounting bracket no.
	~	=	
SCG262C013/090	**C302022**	**C302068**	**254573-001**
SCG262C019/020/021/022/023	**C302018**	**C302068**	**-**
SCG262A260/261	**C302045**	**C302076**	**206525-001**
SCG262A262/263/264/265	**C302051**	**C302080**	**254573-001**
SCG262D200	**C304350**	**C304350**	**206525-001**
SCG262C202/208/210	**C304354**	**C304354**	**254573-001**
SCG262B212/D232	**C304354**	**C304354**	**206525-001**

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

ORDERING EXAMPLES:

SC G 262 **C** 010 230V / 50 Hz
SC G 262 **C** 020 **MO** 115V / 50 Hz
SC G 262 **C** 022 **V** 24V / DC
SC G 262 **D** 200 **T** 230V / 50 Hz

prefix
pipe thread
basic number
voltage
suffix

ORDERING EXAMPLES KITS:

C302045(1)
C302051 **V**
C302051 **E**

basic number
suffix

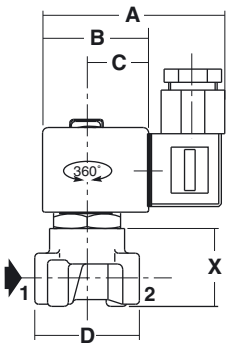
DIMENSIONS (mm), WEIGHT (kg)

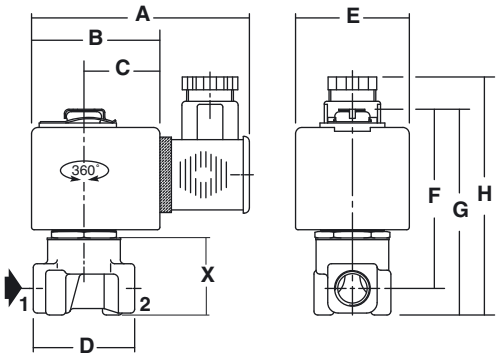
TYPE 01-02
Prefix “SC” Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

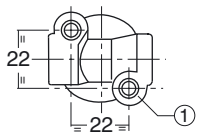
Type 01: SCG262C019/020/021/022/023/013/090
Type 02: SCG262D232/C202/C208/C210/B212/D200

TYPE 02
Prefix “SC” Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

SCG262A262/A263/A264/A265/A260/A261







bottom view

(1) 2 mounting holes Ø M4, depth 6 mm

type	prefix option	A	B	C	D	E	F	G	H	X	weight (2)	
											NC	NO
01	SC	75	45	27	40	39	65	75	92	30	0,4	-
02	SC	80	50	30	40	45	69	80	96	30	0,45	0,5

(2) including coil and connector..

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