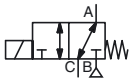
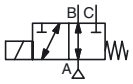
SOLENOID VALVES

direct operated, coaxial
for high pressure fluids
3/8 to 1

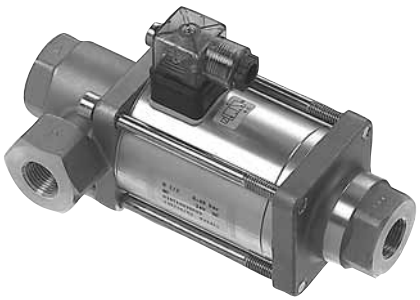
NC 

NO 

3/2
Series
387

FEATURES

- *Coaxial-type solenoid operated valve designed for high flow rates with low pressure loss*
- *Compatible with viscous or abrasive gases and liquids*
- *Suitable for high pressure applications*
- *Solenoid operated valve designed for long service life*
- *Vacuum operation up to 10^{-4} mbar*
- *The valves satisfy article 3.3 of Pressure Equipment Directive 97/23/EC*



CE

GENERAL

Differential pressure	40 bar (B→A : 12 bar) [1 bar =100 kPa]			
Maximum viscosity	500 cSt (mm²/s)			
Response time (air operation ΔP = 4 bar)	3/8	1/2	3/4	1
opening time (ms)	45	60	105	150
closing time (ms)	70	130	150	190

fluids (✳)	temperature range (TS)	seal materials (✳)
air and gas groups 1 & 2 water, oil, liquids groups 1 & 2	- 20°C to + 100°C	FPM (fluoroelastomer) PTFE

MATERIALS IN CONTACT WITH FLUID

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

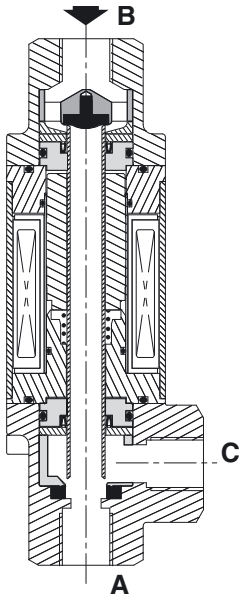
Body	Brass
Internal parts	Brass
Tube	Stainless steel
Seals	FPM /PTFE
Disc seal	FPM

ELECTRICAL CHARACTERISTICS

Coil insulation class	H
Connector (rectifier for AC)	Spade plug (cable Ø 6-8 mm) with indicator LED
Connector specification	ISO 4400 / EN 175301-803, form A
Electrical safety	IEC 335
Electrical enclosure protection	IP65 (EN 60529)
Standard voltages	DC (=) : 24V AC (~) : 115V - 230V / 50 Hz

prefix option	pipe size	power ratings (integrated coil DC (=), cold) 115 V ~	230 V ~	24 V ~/=	operator ambient temperature range (TS)	replacement coil ~	=	type (1)
	G	(W)	(W)	(W)	(C°)	230 V/50 Hz	24 V DC	
SC	3/8	40	42	35	-20 to + 60	-	-	01
	1/2	45	55	51				
	3/4	62	60	53				
	1	68	69	60				

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



NC function

E

SPECIFICATIONS

pipe size	DN	flow coefficient Kv A→B (m³/h)	A→B (l/min)	A→C (m³/h)	A→C (l/min)	operating pressure differential (bar) min.	max. (PS) air/gas/water/oil (✳) B→A ~	B→A =	A↔C ~/=	A→B ~/=	power coil (W) ~	=	catalogue number ~/=
G													
NC - Normally closed													
3/8	10	2,2	36,6	1,6	26,6	0	12	12	40	40	42	35	**SCG387A001**
1/2	15	5,2	86,6	3,6	60	0	12	12	40	40	55	51	**SCG387A002**
3/4	20	7,5	125	5,6	93,3	0	12	12	40	40	60	53	**SCG387A003**
1	25	12,2	203,3	10,2	170	0	12	12	40	40	69	60	**SCG387A004**
NO - Normally open													
3/8	10	2,2	36,6	1,6	26,6	0	12	12	40	40	42	35	**SCG387A005**
1/2	15	5,2	86,6	3,6	60	0	12	12	40	40	55	51	**SCG387A006**
3/4	20	7,5	125	5,6	93,3	0	12	12	40	40	60	53	**SCG387A007**
1	25	12,2	203,3	10,2	170	0	12	12	40	40	69	60	**SCG387A008**

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OPTIONS

- Connector rectifier: 115 V AC, catalogue number: **88122635**; 230 V AC, catalogue number: **88122634**

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.
SCG387A001/005	**C140209**	**C140130**
SCG387A002/006	**C140211**	**C140131**
SCG387A003/007	**C140213**	**C140132**
SCG387A004/008	**C140215**	**C140133**

ORDERING EXAMPLES:

SC G 387 **A** 001 230V / 50 Hz
SC G 387 **A** 005 115V / 50 Hz
SC G 387 **A** 008 24V / DC

prefix
pipe thread
basic number
suffix
voltage

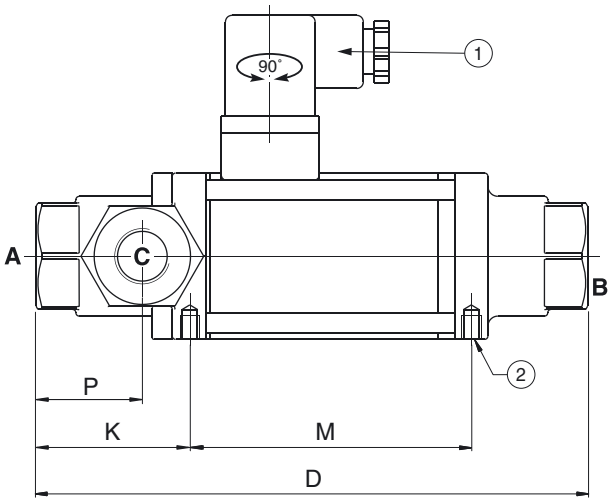
ORDERING EXAMPLES KITS:

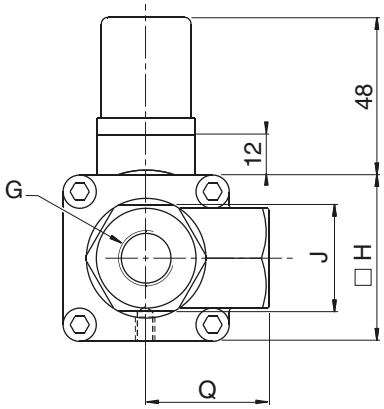
C140209
C140213

basic number

DIMENSIONS (mm), WEIGHT (kg)

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



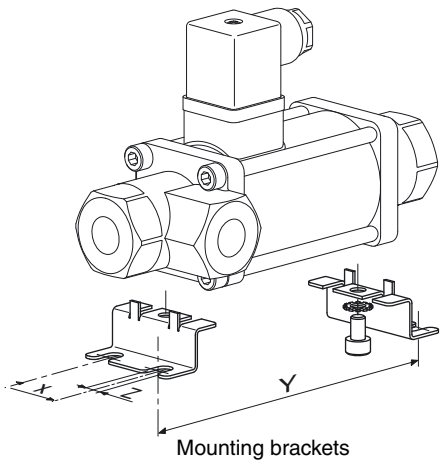


Pressure inlet:
- NC function = Port B
- NO function = Port C

(1) Connector rectifier for AC (~)
(2) 2 mounting holes Ø M5, depth 7 mm

type	prefix option	G	D	H	J	K	M	P	Q	X	Y	Z	weight (1)
01	SC	3/8	166	50	32	46	85	32	37	24	111	6	2,0
		1/2	200	70	41	58	103	38,5	60	38	136	6	4,1
		3/4	229	80	46	71	111	45,5	72	45	151	7	6,0
		1	249	90	55	73	121	48	80	50	165	7	8,1

(1) Including connector (without mounting brackets).



Mounting brackets

00074GB-2009/R01
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