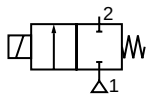
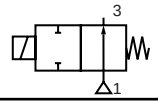
SOLENOID VALVES
direct operated
1/8

NC 

NO 

2/2
Series
256



C

FEATURES

- *Wide range of flow and pressure ratings*
- *Quick disassembly of core tube for easy maintenance of internal parts*
- *Standard disc seal made of FPM suitable for a wide range of operating temperatures and compatible with many fluids*
- *Standard manual operator allows an easy installation*
- *AC/DC interchangeability of the solenoid without disassembly of the valve*
- *Compliance with UL and CSA standards*
- *Compact and low weight valve*
- *ASCO/JOUCOMATIC solenoid valves satisfy all relevant EC directives*

GENERAL

Differential pressure	See "SPECIFICATIONS" [1 bar =100 kPa]
Maximum viscosity	40 cSt (mm²/s)
Response time	5 - 10 ms

fluids (∗)	temperature range (TS)	seal materials (∗)
air, inert gas, water, oil	- 10°C to + 100°C	FPM (fluoroelastomer)

MATERIALS IN CONTACT WITH FLUID

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

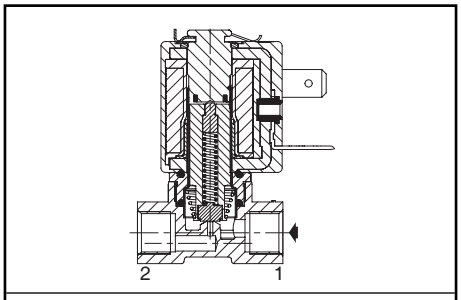
	Brass body	Stainless steel body
Body	Brass	AISI 316
Core tube	Stainless steel	Stainless steel
Core and plugnut	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Seat	Brass	Stainless steel
Seals	FPM	FPM
Disc	FPM	FPM
Shading coil	Copper	Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class	F
Connector	Spade plug (cable Ø 6-7 mm)
Connector specification	DIN 43650, 11 mm, industry standard B
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				operator ambient temperature range (TS)	replacement coil		type (1)
	inrush ~	holding ~		hot/cold =		~	=	
	(VA)	(VA)	(W)	(W)	(C°)	230 V/50 Hz	24 V DC	
SC	12	6	4	4,5 / 5,5	-10 to + 60	43005429	43005413	01

(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)							power coil (W)		catalogue number		options		
				min.	max. (PS)												
					air (∗)		water (∗)		oil (∗)				brass	stainless steel	EPDM		
G	(mm)	(m³/h)	(l/min)		~	=	~	=	~	=	~	=	~/=	~/=			
NC - Normally closed																	
1/8	1,2	0,05	0,8	0	28	20	28	20	28	20	4	5,5	**SCG256A001VMS**	**SCG256A013VMS**	**E**	**-**	**-**
	1,6	0,08	1,33	0	20	12	20	12	20	12	4	5,5	**SCG256A002VMS**	**SCG256A014VMS**	**E**	**-**	**-**
	2,0	0,11	1,83	0	15	6	15	6	15	6	4	5,5	**SCG256A003VMS**	**SCG256A015VMS**	**E**	**-**	**-**
	2,4	0,13	2,16	0	12	4	12	4	12	4	4	5,5	**SCG256A004VMS**	**SCG256A016VMS**	**E**	**-**	**-**
NO - Normally open																	
1/8 (2)	1,6	0,08	1,33	0	10	10	10	10	10	10	4	5,5	**SCG256A006VMS**	**SCG256A018VMS**	**E**	**-**	**-**

(2) Pipe size port 3: M5 (Orifice size = 1,2 mm).

00029GB-2005/R03
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OPTIONS

- Valves can also be supplied with EPDM (ethylene-propylene) seals and discs. Use the appropriate optional suffix letter for identification
- PTFE on request
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see “Explosionproof solenoids” section)
- Flying leads coil, use prefix L (e.g.: LG256A001VMS)
- Oxygen service with seals and disc in FPM, suffix NV, example: SCG256A001NVMS
- Solenoid valves integrated on manifold, orifice sizes 1,2 - 1,6 - 2 - 2,4 mm (See V297)
- Without manual operator, on request
- Other pipe connections are available on request
- Plug with visual indication and peak voltage suppression or with cable length of 2m (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

ORDERING EXAMPLES:

SC	G	256 **A** 001	**VMS**	230V / 50 Hz
SC	G	256 **A** 002	**EMS**	115V / 50 Hz
SC	G	256 **A** 014	**NVMS**	24V / DC
SC	G	256 **A** 006	**VMS**	230V / 50 Hz

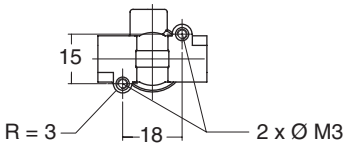
prefix — pipe thread — basic number — suffix — voltage

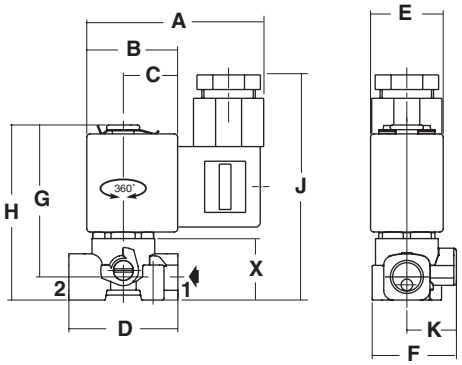
DIMENSIONS (mm), WEIGHT (kg)



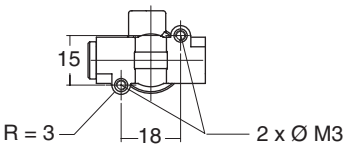
TYPE 01
Prefix "SC" Solenoid
IEC 335 / DIN 43650
IP65

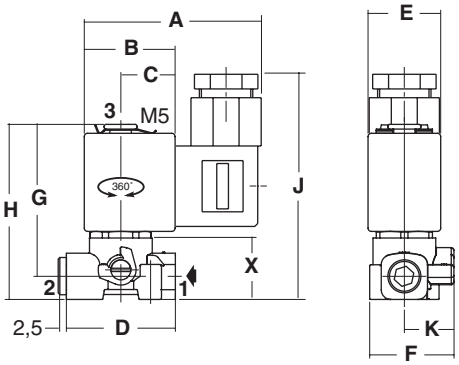
NC: SCG256A001V/002V/003V/ 004V/013V/014V/015V/016V





NO: SCG256A006V/018V





type	prefix option	catalogue number	A	B	C	D	E	F	G	H	J	K	X	weight (2)
01	SC	SCG256A001V/002V/003V/004V/006V	58,5	27,5	16,5	33	22	25.5	46	53	69	15	18,6	0,158
		SCG256A013V/014V/015V/016V/018V	58,5	27,5	16,5	33	22	25.5	46	53	69	15	18,6	0,138

2) including coil and connector.

All leaflets are available on: **www.ascojoucomatic.com**

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