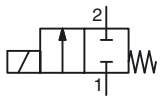
SOLENOID VALVES

direct operated
multiple manifold sub-bases
1/8

NC 

2/2
Series
256

C

FEATURES

- *Very small size and easy assembly*
- *Mixing or distributing function*
- *AC/DC interchangeability of the solenoid without disassembling the valve*
- *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*
- *Compliance with UL and CSA standards*
- *The solenoid valves satisfy all relevant EC directives*

GENERAL

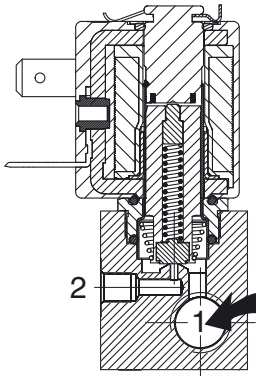
Differential pressure See «SPECIFICATIONS» [1 bar =100 kPa]
Maximum viscosity 40 cSt (mm²/s)
Response time 5 - 10 ms

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

Manifold body Brass
Core tube Stainless steel
Core and plugnut Stainless steel
Springs Stainless steel
Seat Brass
Seals FPM
Disc FPM
Shading coil 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 [2] 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	12	6	4	4,5 / 5,5	-10 to + 60	43005429	43005413	01

[1] Refer to the dimensional drawings on the following page.
[2] Duty cycle: 50% (30 min)

SPECIFICATIONS

pipe size G	orifice size (mm)	flow coefficient Kv (m³/h)	flow coefficient Kv (l/min)	operating pressure differential (bar) min.	max. (PS) air, water (∗) ~	max. (PS) air, water (∗) =	max. (PS) oil (∗) ~	max. (PS) oil (∗) =	power coil (W) ~	power coil (W) =	Number of valves	catalogue number ~/=	options EPDM		
NC - Normally closed															
1/8 [3]	1,6	0,08	1,33	0	20	12	20	12	4	5,5	2	**SCG256A819V**	**E**	-	-
											3	**SCG256A820V**	**E**	-	-
											4	**SCG256A821V**	**E**	-	-
											5	**SCG256A822V**	**E**	-	-
											6	**SCG256A823V**	**E**	-	-
											7	**SCG256A824V**	**E**	-	-
											8	**SCG256A825V**	**E**	-	-
											9	**SCG256A826V**	**E**	-	-
											10	**SCG256A827V**	**E**	-	-
	2,4	0,13	2,16	0	12	4	12	4	4	5,5	2	**SCG256A855V**	**E**	-	-
											3	**SCG256A856V**	**E**	-	-
											4	**SCG256A857V**	**E**	-	-
											5	**SCG256A858V**	**E**	-	-
											6	**SCG256A859V**	**E**	-	-
											7	**SCG256A860V**	**E**	-	-
											8	**SCG256A861V**	**E**	-	-
											9	**SCG256A862V**	**E**	-	-
											10	**SCG256A863V**	**E**	-	-

[3] Pipe size port 2: M5

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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
- Flying leads coil, use prefix L (e.g.: LG256A822V)
- Oxygen service with seals and disc in FPM, suffix NV, example: SCG256A822NV
- NC, orifice sizes 1,2 mm and 2 mm
- NO, orifice size 1,6 mm
- Stainless steel manifold bodies, NC and NO, on request
- 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
- Multiple manifold 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

catalogue number	spare parts kit no.	
	~	=
all	**C140262V**	**C140262V**

(1) Standard prefixes/suffixes are also applicable to kits.

ORDERING EXAMPLES:

SC	G	256 **A** 821	**V**	230V / 50 Hz
SC	G	256 **A** 826	**E**	115V / 50 Hz
SC	G	256 **A** 857	**NV**	24V / DC
SC	G	256 **A** 863	**V**	230V / 50 Hz

prefix — pipe thread — basic number — voltage — suffix

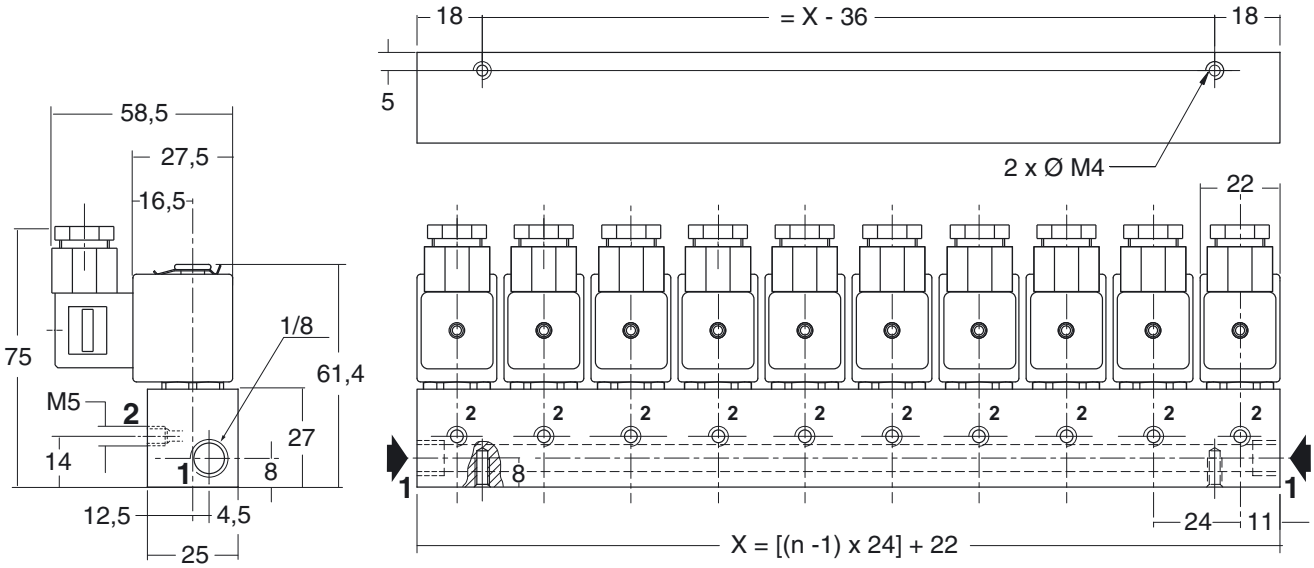
ORDERING EXAMPLES KITS:

C140262	**V**(1)
C140262	**E**

basic number — suffix

DIMENSIONS (mm), WEIGHT (kg)

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



type	prefix option	weight (2) number of solenoid valves (n)								
		2	3	4	5	6	7	8	9	10
01	SC	0,321	0,426	0,531	0,636	0,741	0,846	0,951	1,056	1,161

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

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