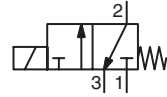




# SOLENOID VALVES

direct operated  
multiple manifold sub-bases  
1/8

NC



3/2  
Series  
356

## FEATURES

- Very small size and easy assembly
- 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 EU directives

## GENERAL

**Differential pressure** See «SPECIFICATIONS» [1 bar = 100 kPa]  
**Maximum viscosity** 40 cSt (mm<sup>2</sup>/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 (11 mm)  
**Electrical safety** IEC 335  
**Electrical enclosure protection** Moulded IP65 (EN 60529)  
**Standard voltages** (2) DC (-) : 24V - 48V  
 AC (-) : 24V - 48V - 115V - 230V / 50 Hz  
 (Other voltages and 60 Hz on request)

prefix option	power ratings				operator ambient temperature range (TS) (C°)	replacement coil		type (1)
	inrush ~	holding ~	hot/cold =			~	=	
	(VA)	(VA)	(W)	(W)		230 V/50 Hz	24 V DC	
SC	12	6	4	5 / 6,9	-10 to + 60	400127-197	400127-142	01

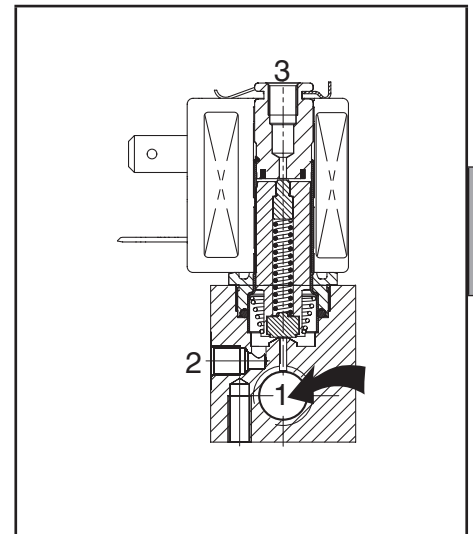
(1) Refer to the dimensional drawings on the following page.

(2) Duty cycle: 50% (30 min)

## SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)				power coil (W)		Number of valves	catalogue number	options			
				min.	max. (PS)		EPDM								
					air, water (*)	oil (*)									
G	(mm)	(m <sup>3</sup> /h)	(l/min)							~/=					
<b>NC - Normally closed</b>															
1/8 (3)	1,6	0,08	1,33	0	10	10	10	10	4	6,9	2	SCG356B819V	E	-	-
											3	SCG356B820V	E	-	-
											4	SCG356B821V	E	-	-
											5	SCG356B822V	E	-	-
											6	SCG356B823V	E	-	-
											7	SCG356B824V	E	-	-
											8	SCG356B825V	E	-	-
											9	SCG356B826V	E	-	-
											10	SCG356B827V	E	-	-
											2,4	0,13	2,16	0	4
3	SCG356B856V	E	-	-											
4	SCG356B857V	E	-	-											
5	SCG356B858V	E	-	-											
6	SCG356B859V	E	-	-											
7	SCG356B860V	E	-	-											
8	SCG356B861V	E	-	-											
9	SCG356B862V	E	-	-											
10	SCG356B863V	E	-	-											

(3) Pipe size port 3: M5



E

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V591-1

### 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.: LG356B822V)
- Oxygen service with seals and disc in FPM, suffix NV, example: SCG356B858NV
- NC, orifice sizes 1,2 mm and 2 mm
- U, orifice sizes 1,6 - 2 - 2,4 mm ; NO, orifice size 1,6 mm
- Stainless steel manifold bodies, NC, U 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	<b>C140264V</b>	<b>C140264V</b>

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

### ORDERING EXAMPLES:

<b>SC</b>	<b>G</b>	<b>356</b>	<b>B</b>	<b>821</b>	<b>V</b>	<b>230V / 50 Hz</b>
<b>SC</b>	<b>G</b>	<b>356</b>	<b>B</b>	<b>826</b>	<b>E</b>	<b>115V / 50 Hz</b>
<b>SC</b>	<b>G</b>	<b>356</b>	<b>B</b>	<b>857</b>	<b>NV</b>	<b>24V / DC</b>
<b>SC</b>	<b>G</b>	<b>356</b>	<b>B</b>	<b>863</b>	<b>V</b>	<b>230V / 50 Hz</b>

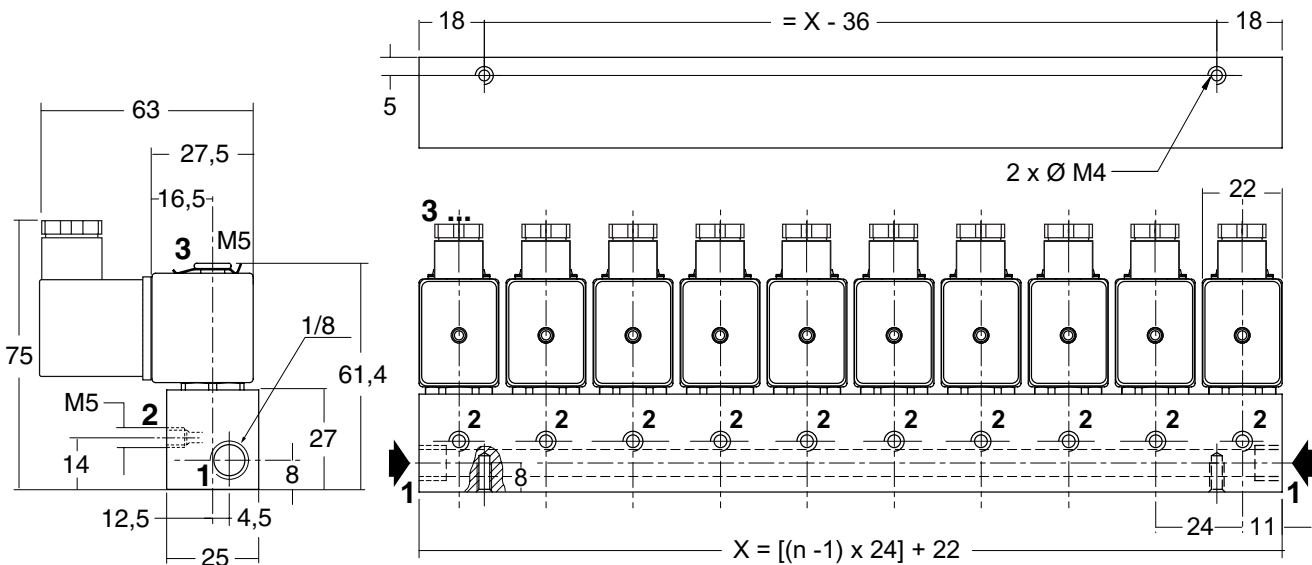
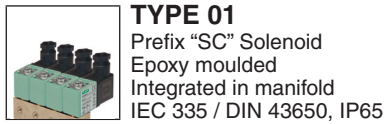
prefix: SC, pipe thread: G, basic number: 356 B, voltage: 230V / 50 Hz, suffix: V

### ORDERING EXAMPLES KITS:

C140264	<b>V<sup>(1)</sup></b>
C140264	<b>E</b>

basic number: C140264, suffix: V, E

### DIMENSIONS (mm), WEIGHT (kg)



type	prefix option	weight <sup>(2)</sup>								
		number of solenoid valves (n)								
01	SC	0,321	0,426	0,531	0,636	0,741	0,846	0,951	1,056	1,161

<sup>(2)</sup> Incl. coil(s) and connector(s)

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