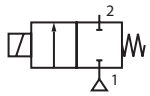
SOLENOID VALVES

direct operated
1/8

NC 

2/2
Series
225

C

FEATURES

- *Direct operated 2/2 NC solenoid valve*
- *Valves do not require a minimum operating pressure*
- *Valve operation is not affected by mounting position*
- *Internal parts are accessible for cleaning*
- *The solenoid valves satisfy all relevant EC directives*

GENERAL

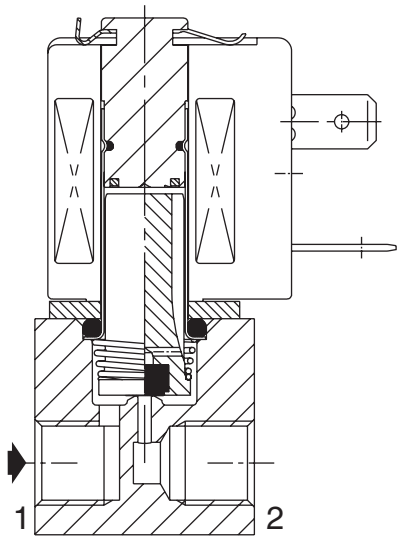
Differential pressure	See «SPECIFICATIONS» [1 bar =100 kPa]
Maximum viscosity	65 cSt (mm²/s)
Response time	5 - 25 ms

fluids (∗)	temperature range (TS)	seal materials (∗)
air, inert gas, water, oil	- 20°C to + 90°C	NBR (nitrile) 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 303 SS
Core tube	Stainless steel	Stainless steel
Core and plugnut	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Seat	Stainless steel	Stainless steel
Seals	NBR	FPM
Disc	NBR	FPM
Shading coil	Copper	Copper



ELECTRICAL CHARACTERISTICS

Coil insulation class	F
Connector	Spade plug (cable Ø 6-8 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 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	- 14,5	- 11	- 6,3	5 / 6,9 -	-20 to + 75 -20 to + 40	- 400125-217	400125-142 -	01

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

SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar) min.	max. (PS) air (∗) ~	max. (PS) air (∗) =	max. (PS) water/oil (∗) ~	max. (PS) water/oil (∗) =	power coil (W) ~	power coil (W) =	catalogue number brass	catalogue number stainless steel	options maintained man. operator	FPM	EPDM	CR	PTFE
G	(mm)	(m³/h)	(l/min)								~/=	~/=					
NC - Normally closed																	
1/8	1,2	0,05	0,8	0	35	14	35	14	6,3	6,9	**SCG225B001**	-	MO	V	E	J	T
											-	**SCG225B005**	-	V	E	J	T
	1,6	0,08	1,3	0	20	9	20	9	6,3	6,9	**SCG225B002**	-	MO	V	E	J	T
											-	**SCG225B006**	-	V	E	J	T
	2,4	0,15	2,5	0	12	2	12	2	6,3	6,9	**SCG225B003**	-	MO	V	E	J	T
											-	**SCG225B007**	-	V	E	J	T
	3,2	0,2	3,3	0	8,5	1,5	8,5	1,5	6,3	6,9	**SCG225B004**	-	MO	V	E	J	T
											-	**SCG225B008**	-	V	E	J	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
- Explosionproof enclosures for use in zone 22, category 3 to ATEX Directive 94/9/EC (see “Explosionproof solenoids” section)
- Leaded coils
- Compliance with “UL”, “CSA” and other local approvals available 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
- Solenoid valves have 2 mounting holes in body
- Threaded pipe connection is standard: G = G (ISO 228/1)
- Installation/maintenance instructions are included with each valve

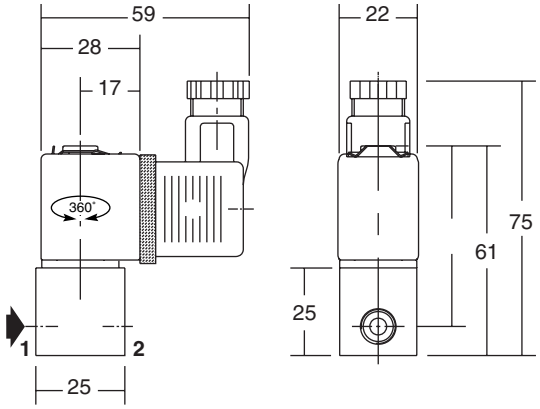
ORDERING EXAMPLES:

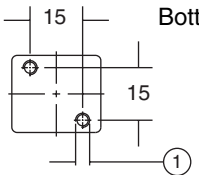
SC	G	225 **B** 001		230V / 50 Hz
SC	G	225 **B** 002	**MO**	115V / 50 Hz
SC	G	225 **B** 007	**V**	24V / DC
SC	G	225 **B** 008	**E**	230V / 50 Hz

prefix
pipe thread
basic number
voltage
suffix

DIMENSIONS (mm), WEIGHT (kg)

TYPE 01
Prefix “SC” Solenoid
Epoxy moulded
IEC 335 /DIN 43650
IP65





Bottom view

(1) 2 mounting holes Ø M4, depth 9 mm

type	prefix option	weight (1)
01	SC	0,2

(1) including coil and connector.

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