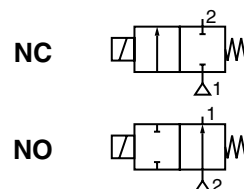




SOLENOID VALVES

lever mechanism, fluid isolation
with smooth spigots
O.D. 8 - 11 mm



2/2
Series
283

FEATURES

- Solenoid valves for medical analysers, biotechnology and chemical industry
- Ideal solenoid valves to control corrosive fluids
- The solenoid valves satisfy all relevant EC directives

GENERAL

Differential pressure See «SPECIFICATIONS» [1 bar = 100 kPa]
Maximum viscosity 37 cSt (mm²/s)
Response time 25 ms

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gases, filtered, water, oil and liquid fluids	-10°C to + 100°C	VMQ (silicone)
		FPM (fluoroelastomer)
		EPDM (ethylene-propylene)

MATERIALS IN CONTACT WITH FLUID

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

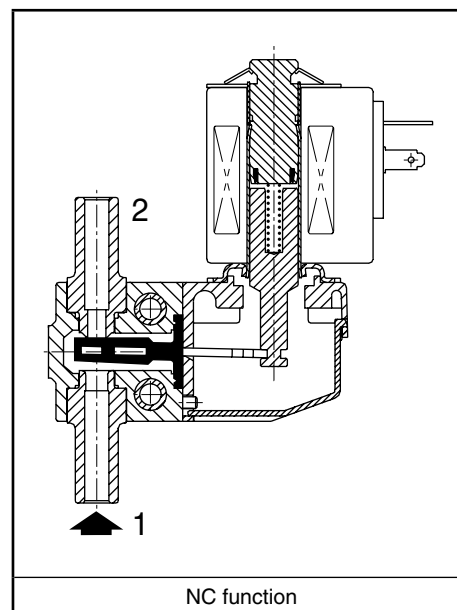
Body PEI (polyetherimide)
Poppet seal VMQ, EPDM or FPM

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-8 mm or Ø 6-10 mm)
Connector specification
with coil 6W/6W (BMX) DIN 43650, 11 mm, industry standard B
with coil 8W/9W (AMX) ISO 4400 / EN 175301-803, form A
Electrical safety IEC 335
Electrical enclosure protection Moulded IP65 (EN 60529)
Standard voltages DC (=) : 12V - 24V
(Other voltages and 60 Hz on request) AC (~) : 24V - 115V - 230V / 50 Hz (BMX = 50-60 Hz)

prefix option	power ratings				operator ambient temperature range (TS)	replacement coil		type ⁽¹⁾
	inrush ~	holding ~		hot/cold =		~	=	
	(VA)	(VA)	(W)	(W)		230 V/50 Hz	24 V DC	
SC	16	10	6	6	-10 to + 60	43005164	43005159	01 (BMX)
	23	14	8	9	-10 to + 60	43005149	43005144	02 (AMX)

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



SPECIFICATIONS

spigot O.D.	spigot I.D.	flow coefficient Kv			min.		operating pressure differential (bar)		power coil (W)		catalogue number	options			
												FPM	EPDM		
(mm)	(mm)	(m³/h)	(l/min)				max. (PS)		~	=	~/=				
NC - Normally closed, VMQ seals															
8	2,7	0,23	3,83	0		5 (10)	5		6	6	SCH283A003	V	E	-	-
8	3,4	0,30	5,00	0		3 (6)	3		6	6	SCH283A004	V	E	-	-
11	5,5	0,55	9,16	0		1,5	1		8	9	SCH283A010	-	-	-	-
NC - Normally closed, EPDM seals (optional: FPM)															
11	5,5	0,55	9,16	0		4,5	1		8	9	SCH283A008E	V	-	-	-
NO - Normally open, VMQ seals															
8	3,4	0,30	5,00	0		3	2,5		6	6	SCH283A016	V	E	-	-
NO - Normally open, FPM seals															
11	5,5	0,55	9,16	0		1,5	1		8	9	SCH283A018V	-	-	-	-

() Value for differential pressure with FPM and EPDM seals.



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OPTIONS

- Valves can also be supplied with FPM (fluoroelastomer) and EPDM (ethylene-propylene) poppet seal. Use the appropriate optional suffix letter for identification
- Plug with visual indication and peak voltage suppression or with cable length of 2 m

INSTALLATION

- The solenoid valves can be mounted in any position without affecting operation. For optimum performance mount solenoid vertical and upright
- Replacement coils are available:
BMX: DC: 12 V, cat. no.: **43005158** / AC: 24 V, cat. no.: **43005161** ; 115 V, cat. no.: **43005162**
AMX: DC: 12 V, cat. no.: **43005143** / AC: 24 V, cat. no.: **43005146** ; 115 V, cat. no.: **43005147**
- Installation/maintenance instructions are included with each valve

ORDERING EXAMPLES:

	SC	H	283	A	003	12V / DC
	SC	H	283	A	004	V 24V / DC
	SC	H	283	A	010	230V / 50Hz
prefix						voltage
pipe thread						
basic number						
						suffix

DIMENSIONS (mm), WEIGHT (kg)



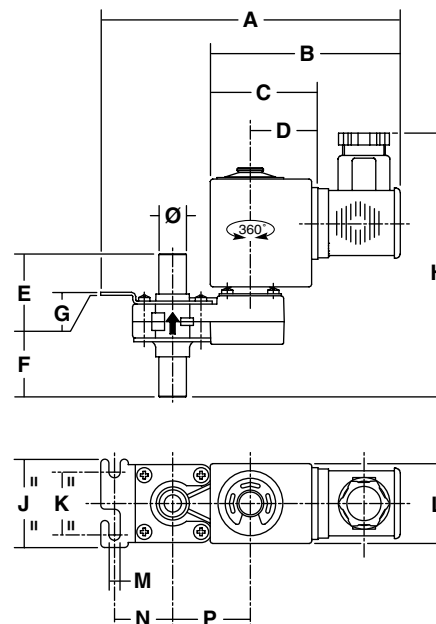
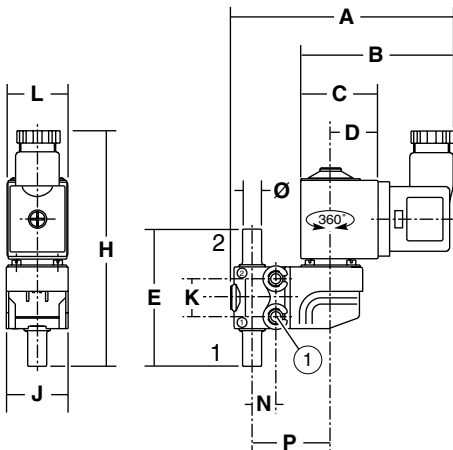
TYPE 01
Prefix "SC" Solenoid
DIN 43650

SCH283A003 / A004 / A016



TYPE 02
Prefix "SC" Solenoid
ISO 4400

SCH283A010 / A008 / A018V



Pressure inlet:

NC function: orifice 1 (type 01) or arrow on body (type 02)

NO function: orifice 2 (type 01) or arrow on body (type 02)

type	prefix option	catalogue number	A	B	C	D	E	F	G	H	J	K	L	M	N	P	weight ⁽²⁾
01	SC	SCH283A003 / A004	94	64,5	33,5	21	58	-	-	97	26	16	25	-	10	33	0,170
		SCH283A016															0,200
02	SC	SCH283A010 / A008E / 018V	121,5	78	43	27	16,5	40,5	1,2	105	35	25	32	4,5	23	31	0,285

① Mounting: 2 holes
Ø 4,3 mm

⁽²⁾ Incl. coil(s) and connector(s).



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