

FEATURES

- Compact valve intended for single acting actuator control
- AC/DC interchangeability of the solenoid head without any need for disassembly of the valve
- 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 8 - 20 ms

fluids (*)	temperature range (TS)	seal materials (*)
air, inert gas, water, oil	-25°C to +80°C	NBR (nitrile)

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 316L (1.4404)
Internal parts	Stainless steel	Stainless steel
Springs	Stainless steel	Stainless steel
Seat	Brass and stainless steel	Stainless steel
Seals	NBR	NBR
Shading coil	Copper	Copper

ELECTRICAL CHARACTERISTICS

Coil insulation class F
Connector Spade plug (cable Ø 6-10 mm)
Connector specification ISO 4400 / EN 175301-803, form A
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) (C°)	replacement coil		type ⁽¹⁾
	inrush ~	holding ~	hot/cold =			~	=	
	(VA)	(VA)	(W)	(W)		230 V/50 Hz	24 V DC	
SC	55	23	10,5	9 / 11,2	-25 to +60	400425-117	400425-142	01

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

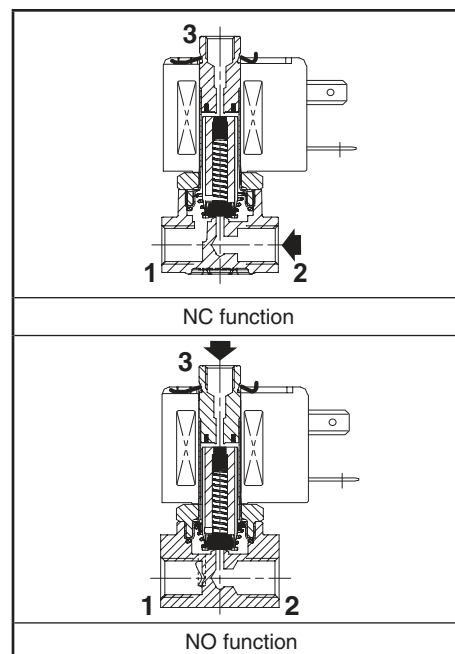
SPECIFICATIONS

pipe size	orifice size	flow coefficient Kv		operating pressure differential (bar)				power coil (W)		catalogue number				options			
														maintained man. operator	FPM	EPDM	
				min.	max. (PS)		brass			stainless steel							
2 → 1 ⁽³⁾	2 → 1 ⁽⁴⁾	air (*)	water/oil (*)		~	=	~	=	~	=							
(G*)	(mm)	(m³/h)	(l/min)		~	=	~	=	~	=	~	=					
NC - Normally closed																	
1/4	2 ⁽³⁾	0,11	1,8	0	16	16	16	16	10,5	11,2	SCE374A016	SCE374A016	SCE374A046	SCE374A046	MS	V	E
	2,7	0,22	3,6	0	10	10	10	10	10,5	11,2	SCE374A017	SCE374A017	SCE374A047	SCE374A047	MS	V	E
	3,8	0,32	5,3	0	5	5	5	5	10,5	11,2	SCE374A018	SCE374A018	SCE374A048	SCE374A048	MS	V	E
U - Universal																	
1/4	2,7	0,22	3,6	0	8	4	4	4	10,5	11,2	SCE374A027	SCE374A027	SCE374A057	SCE374A057	MS	V	E
	3,8	0,32	5,3	0	4	2	4	2	10,5	11,2	SCE374A028	SCE374A028	SCE374A058	SCE374A058	MS	V	E
NO - Normally open																	
1/4 ⁽²⁾	2,5	0,22	3,6	0	10	10	10	10	10,5	11,2	SCE374A022	SCE374A022	SCE374A052	SCE374A052	MS	V	E

⁽²⁾ Pipe size of port 3: G 1/8.

⁽³⁾ Orifice size port 3: 2,5 mm

⁽⁴⁾ 1 → 3: 0,15 m³/h, 2,5 l/min



OPTIONS

- Valves can also be supplied with FPM (fluoroelastomer) and EPDM (ethylene-propylene) seals and discs. Use the appropriate optional suffix letter for identification
- Waterproof enclosure with embedded screw terminal coil according to protection class IP67, CEE-10 (prefix WP or WS)
- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
- Class H coil (10,5 W/11,2 W), prefix HT, example: SCHTE374A016
- Oxygen service with seals and disc in FPM, suffix N, example: SCE374A016NV
- 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
- Brass solenoid valves have 2 mounting holes in body
- Pipe connections 1/4 (G*) have standard combination thread according to ISO 228/1 and ISO 7/1. Pipe connections G 1/8 have standard thread according to ISO 228/1
- Installation/maintenance instructions are included with each valve

SPARE PARTS KIT

catalogue number	spare parts kit no.		
	~	=	maintained man. operator
SCE374A016/017/018	C140038	C140037	C140048
SCE374A046/047/048	C140038	C140037	C140072
SCE374A061/062/063	-	C140037	C140048
SCE374A027/028	C140042	C140042	C140048
SCE374A057/058	C140042	C140042	C140072
SCE272A022	C140039	C140039	C140048
SCE272A052	C140039	C140039	C140072

(1) Standard suffixes E and V are also applicable to kits.
- Not available

ORDERING EXAMPLES:

SC	E	374	A	016	MS	230V / 50 Hz
SC	E	374	A	046	V	115V / 50 Hz
SC	E	374	A	016		24V / DC

prefix pipe thread basic number voltage suffix

ORDERING EXAMPLES KITS:

C140037 ⁽¹⁾	
C140038	V
C140038	E

basic number suffix

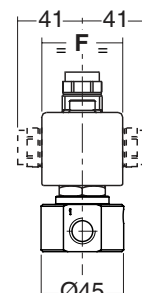
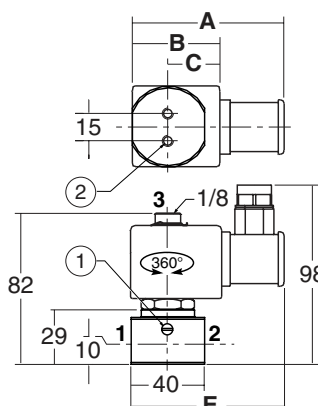
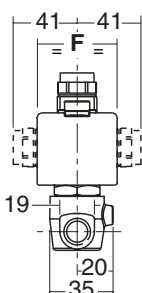
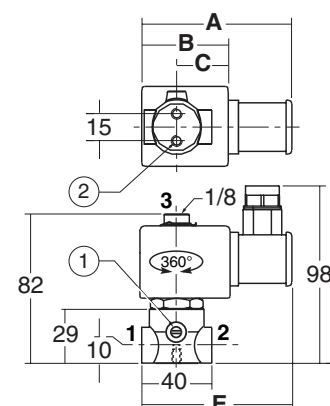
DIMENSIONS (mm), WEIGHT (kg)



TYPE 01
Prefix "SC" Solenoid
Epoxy moulded
IEC 335 / ISO 4400
IP65

Type 01: SCE374A016/017/018/027/028/022

Type 01: SCE374A046/047/048/057/058/052



type	prefix option	catalogue number	A	B	C	E	F	weight ⁽²⁾
01	SC	SCE374A016/017/018/027/028/022	85	50	30	85	45	0,510
		SCE374A046/047/048/057/058/052	85	50	30	85	45	0,560

(2) including coil and connector.

- ① Manual operator location.
② 2 mounting holes Ø M4, depth 6 mm.



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