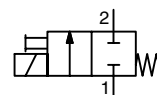




# SOLENOID VALVES

direct operated  
pad mounting body  
M5 subbases

NC



2/2  
Series  
108

## FEATURES

- Compact size and light weight simplify assembly on single or joinable subbases
- AC/DC interchangeability of the solenoid without disassembly of the valve
- Flexible installation on joinable subbases
- Manual operator allows an easy installation
- The solenoid valves satisfy all relevant EC 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 +80°C	NBR (nitrile) FPM (fluoroelastomer)

## MATERIALS IN CONTACT WITH FLUID

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

**Body and subbases** PPS  
**Core tube** Brass  
**Internal parts, springs** Stainless steel  
**Seals** NBR or FPM  
**Subbase seals** FPM  
**Shading coil** 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  
AC (~) : 24V - 48V - 115V - 230V / 50 Hz  
(Other voltages and 60 Hz on request)

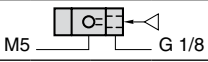

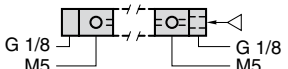
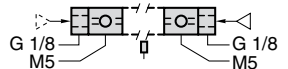
power ratings				operator ambient temperature range (TS)	replacement coil		type <sup>(1)</sup>
inrush ~	holding ~		hot/cold =		~	=	
(VA)	(VA)	(W)	(W)		(C°)	230 V/50 Hz	
6	3.5	2.5	2.5 / 3	-10 to +60	400127-097	400904-142	01

<sup>(1)</sup> 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	
				min.	max. (PS)				with maintained manual operator						
					air (*)		water/oil (*)								
					~	=	~	=			~			=	NBR
	(mm)	(m³/h)	(l/min)												
NC - Normally closed															
pad mounting	1	0,02	0,4	0	16	16	16	16	2,5	3	10800001	10800004			
	1,5	0,04	0,7	0	12	4	12	4	2,5	3	10800016	10800019			
	2,5	0,06	1	0	4,5	2	4,5	2	2,5	3	10800003	10800006			

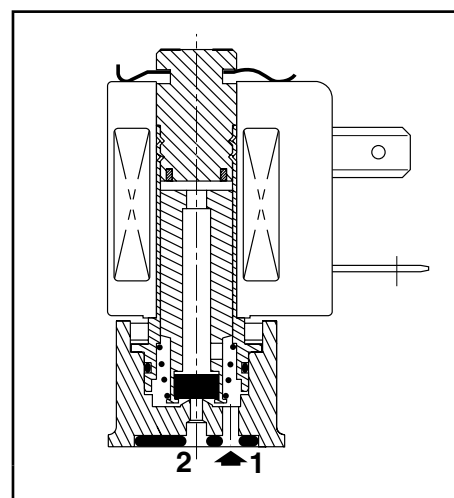
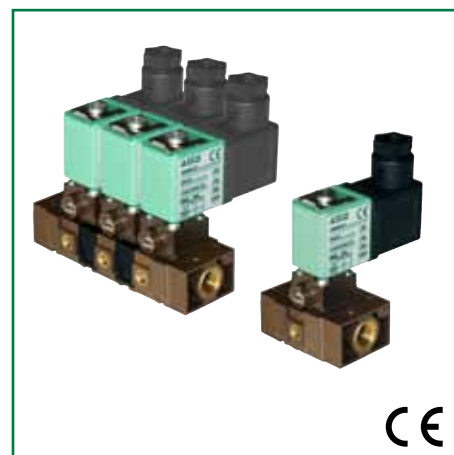
## SUBBASES <sup>(2)</sup>

pipe size	mounting type	designation	composition	catalogue number
<b>6/6 polyamide subbases</b>				
M5 subbases G 1/8 ends	Individual mounting	Single subbase + two ends. Pressure to right, G 1/8		36100009
	Assembly of 2 to 10 joinable subbases (4)	1 joinable subbase		36100004
		Set of 2 joinable subbases with ends. Pressure to right, G 1/8		36100005
		Set of 2 joinable subbases with ends. Pressure to right and/or left, G 1/8		36100032 <sup>(3)</sup>

<sup>(2)</sup> These subbases can be mounted on symmetrical rail to EN 50022, AFNOR NF C 63015, using 2 clips (clips: catalogue number 33400036, pack of 10).

<sup>(3)</sup> Used for two different pressures, delivered with 1 plug to be put in the right place.

<sup>(4)</sup> Maximum number of solenoid valves which can operate simultaneously on joinable subbases: Ø 1 mm: 10, Ø 1,5 mm: 5, Ø 2,5 mm: 3.



## OPTIONS

- Explosionproof enclosures for use in zones 1/21-2/22, categories 2-3 to ATEX Directive 94/9/EC (see "Explosionproof solenoids" section)
- Compliance with "UL", "CSA" standards are available
- Oxygen service, used option catalogue number: **970517**
- 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
- Mounting on single or joinable subbases
- ATEX 94/9/EC versions can be installed on single subbases (all versions) or joinable zamak subbases (options “SCDU” and “PV”)
- Pipe connections 1/8 have standard thread according to ISO 228/1
- Installation/maintenance instructions are included with each valve

### ORDERING EXAMPLES:

<b>10800001</b> 230V / 50 Hz <b>10800004</b> 24V / DC	
catalogue number	voltage options

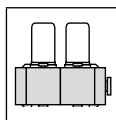
**DIMENSIONS (mm), WEIGHT (kg)** 



## TYPE 01

Prefix "SC" Solenoid  
Epoxy moulded  
IEC 335 / DIN 43650 / IP65  
weight : 0.100

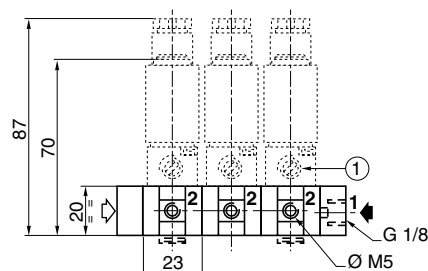
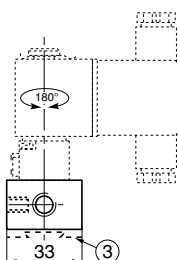
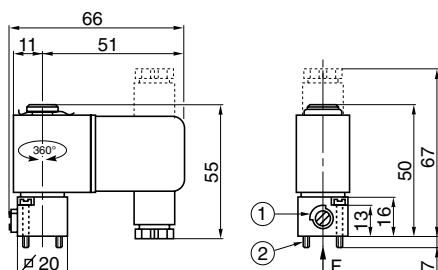
10800001 / 03 / 04 / 06 / 16 / 19



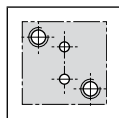
## JOINABLE SUBBASE G 1/8

PPS

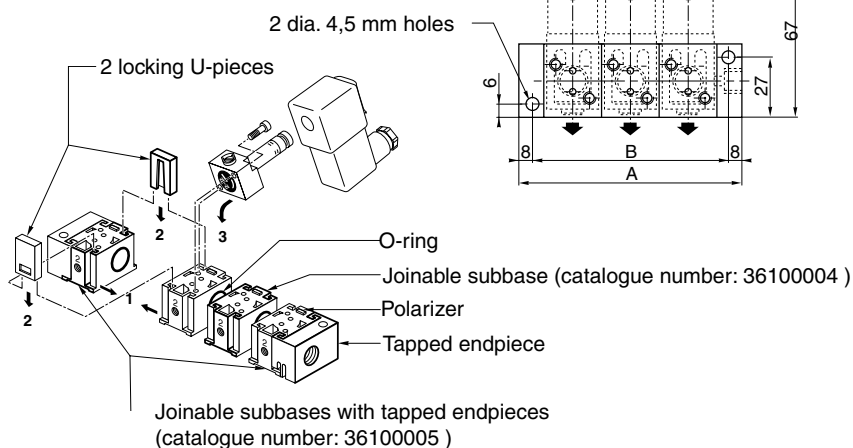
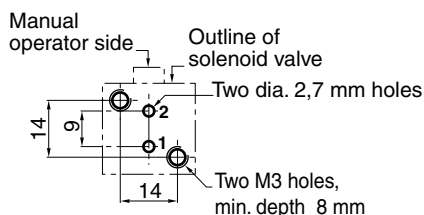
36100005 / 36100032



- ① Manual operator location
- ② 2 M3 x 20 screws
- ③ Clips



## SUBBASE MOUNTING PATTERN



number of subbases	A	B	weight <sup>(1)</sup>
2	72	56	0,300
3	95	79	0,420
4	118	102	0,540
5	141	125	0,660
6	164	148	0,780
+1	+23	+23	+0,120

(1) including coils, connectors and joinable endpieces.