

Valves

Solenoid Pilot Valves



01V

Pg. 14.4

Externally Piloted Solenoid Valves



01V - X1V

Pg. 14.10

Air Pilot Valves



01V

Pg. 14.24

Manual Valves



01V - X1V

Pg. 14.30

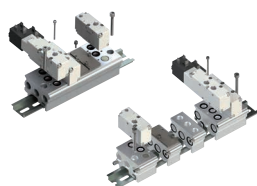
Mechanically Actuated Valves



01V

Pg. 14.40

Din Rail Mounted, Fixed Length and Modular Manifold Bases



01V

Pg. 14.43

Micro Valves



02V

Pg. 14.49

16 mm Valves



03V

Pg. 14.52

Micro Valves, Panel Mounted



04V

Pg. 14.56

Individual and Manifold Base Mounted Valves



05V

Pg. 14.59

Pedal Valves



06V

Pg. 14.67

Solenoid Valves



07V

Pg. 14.69

Miniature Solenoid Valves 10 mm



07V

Pg. 14.71

Miniature Solenoid Valves 15 mm



07V

Pg. 14.73

NAMUR Standard Valves



08V

Pg. 14.77

Valves ISO 5599 - Size 1



10V

Pg. 14.84

Valves ISO 5599 - Size 2



11V

Pg. 14.88

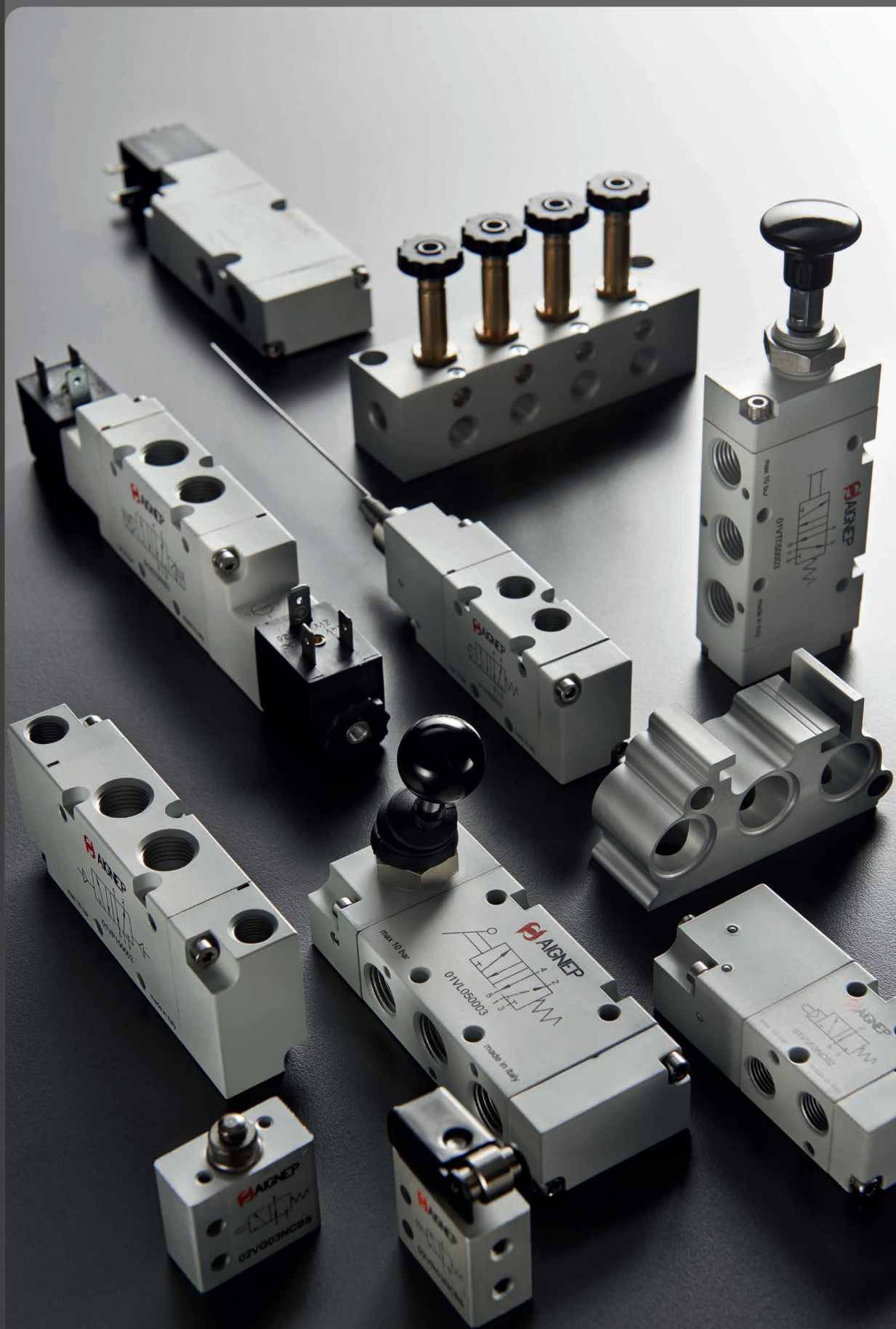
Solenoids and Connectors



Pg. 14.20 - Pg. 14.23

MANUAL, MECHANICAL, AIR PILOT AND SOLENOID PILOT VALVES

Valves



SOLENOID VALVES

07V





TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

ATEX
2014/34/UE



Component Parts and Materials

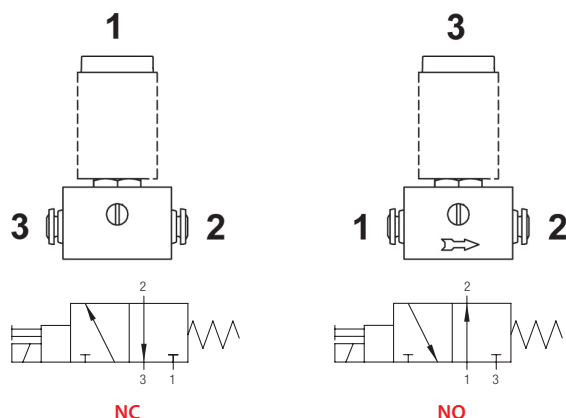
- Anodised aluminium body
- NBR seals

	THREAD	G 1/8 - automatic Ø 5/32 - (4)	
	6 bar FLOW RATE with Δp 1 bar	30 NI/min	
	OPERATING PRESSURE	0 ÷ 10 bar 0 ÷ 145 psi	
	TEMPERATURE	min	-10 °C 14 °F
		max	+60 °C 140 °F
	SOLENOID VOLTAGE	24V DC - 12V DC - 24V AC 110V AC - 220V AC	
	MINIMUM POWER	3W - 5VA	
	MANUAL CONTROL	BISTABLE	
	TORQUE OF THE TIGHTENING SOLENOID'S NUT	0.6 Nm	

Series	Actuation	Reaction	Function	Size
0 7 V	S	0	3	N C
	S = Solenoid with manual override Y = Vacuum	0 = Monostable spring return	3 = 3/2	NO = Normally open NC = Normally closed
				0 2
				02 = 1/8 X1 = Ø 5/32 (4)

3/2

SOLENOID WITH MANUAL OVERRIDE



Part No.	Function	Size	Pack.
07V S0 3 NC 02	3/2 NC	G 1/8	1
07V S0 3 NC X1	3/2 NC	Ø 5/32 (4)	1
07V S0 3 NO 02	3/2 NO	G 1/8	1
07V S0 3 NO X1	3/2 NO	Ø 5/32 (4)	1

* 07V Y0 3 NC 02	3/2 NC	G 1/8	1
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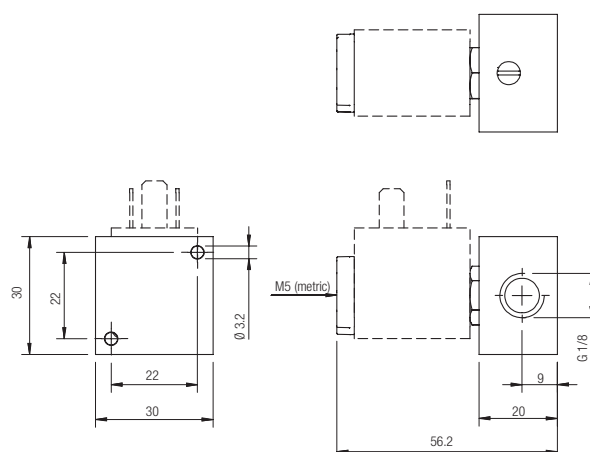
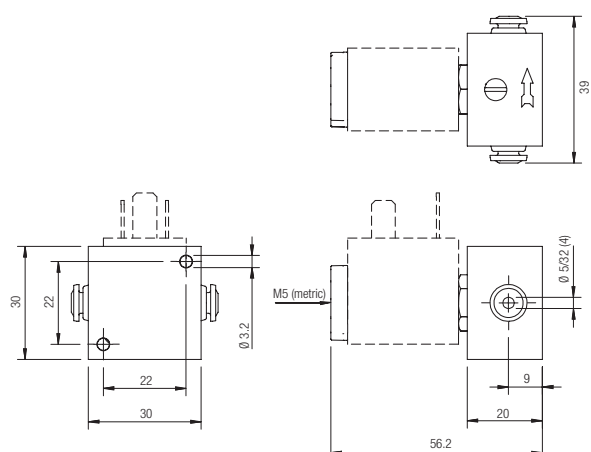
* Vacuum

SOLENOID WITH MANUAL OVERRIDE



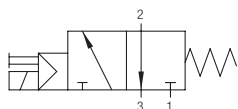
5/32 - (4)

G1/8

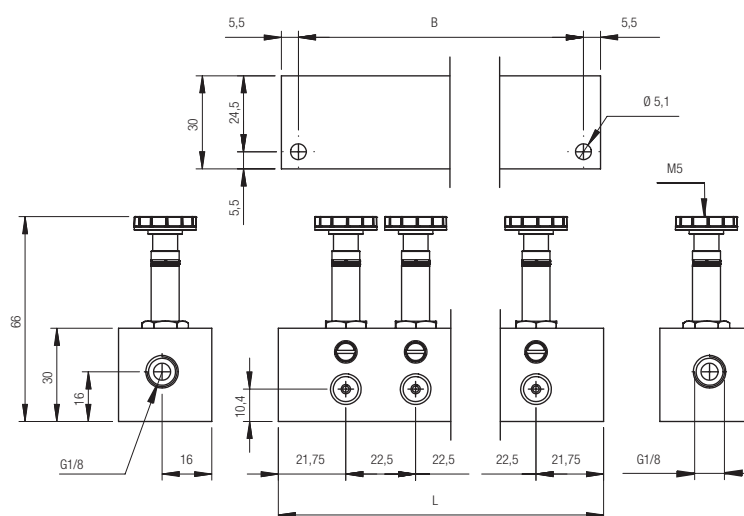


FIXED LENGTH MANIFOLD WITH MANUAL OVERRIDE

SOLENOID VALVES ON FIXED LENGTH MANIFOLD



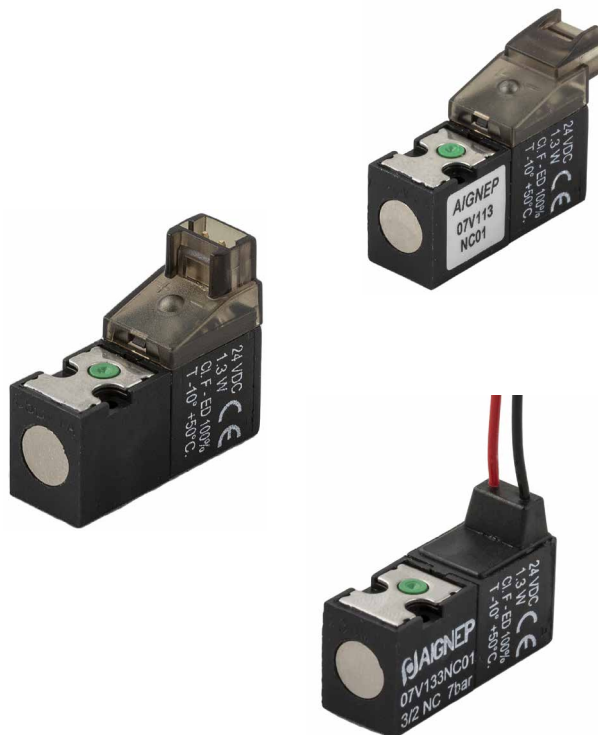
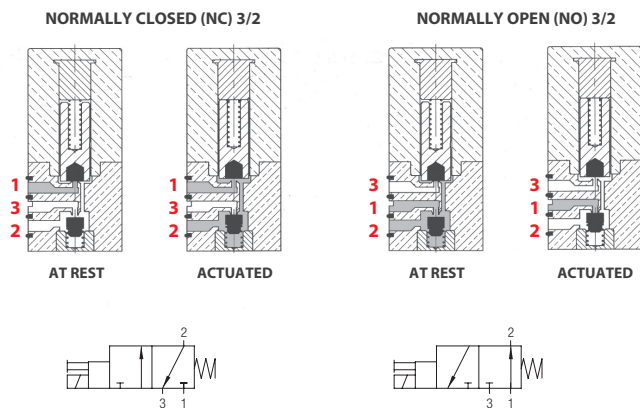
Part No.	Ways	B	L	Size	Pack.
07V B0 0 00 02	2	55	66	G 1/8	1
07V B0 0 00 03	3	77.5	88.5	G 1/8	1
07V B0 0 00 04	4	100	111	G 1/8	1
07V B0 0 00 05	5	122.5	133.5	G 1/8	1
07V B0 0 00 06	6	145	156	G 1/8	1
07V B0 0 00 07	7	167.5	178.5	G 1/8	1
07V B0 0 00 08	8	190	201	G 1/8	1
07V B0 0 00 09	9	212.5	223.5	G 1/8	1
07V B0 0 00 10	10	235	246	G 1/8	1



10 MM MINIATURE SOLENOID VALVES



TECHNICAL CHARACTERISTICS



Reference Standard

1907/2006
REACH ✓

2011/65/CE
RoHS ✓

PED
2014/68/UE

	MAX PRESSURE	Vacuum ÷ 7 bar Vacuum ÷ 101.5 psi
	TEMPERATURE	- 5 ÷ 50 °C 23 ÷ 122 °F
	6 bar FLOW RATE with Δp 1 bar	14 NI/min
	EXHAUST FLOW	22 NI/min
	ORIFICE SIZE	0.7 mm
	MAX NUMBER OF CYCLES PER MINUTE	2700
	LIFE EXPECTANCY	50 MILLION CYCLES

	VOLTAGE	12 V DC ÷ 24V DC
	POWER	1.3 W
	VOLTAGE TOLLERANCE	-5% +10%
	RESPONSE TIME WHILE ENERGIZED	8 ms
	RESPONSE TIME WHILE DE-ENERGIZED	10 ms
	CLASS OF PROTECTION	F (155 °C) F (311 °F)

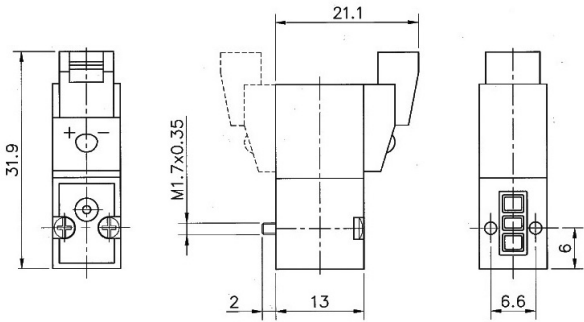
Series	Actuation	Reactuation	Function	Orifice size	Voltage
0 7 V	1	1	3	0	0
	1 = 10 mm	1 = line connector + led 2 = 90° connector + led 3 = Cable (300 mm)	3 = 3/2	0 = 0.7 mm	0 = 12 V DC 1 = 24 V DC

3/2

10 MM SOLENOID VALVE WITH LINE CONNECTOR + LED

IP50

07V 11 3 NC 01 07V 11 3 NC 00 07V 11 3 NO 01 07V 11 3 NO 00



Part No.	Function	Vacuum	Solenoid	Pack.
07V 11 3 NC 01	3/2 NC	NO	24V DC	1
07V 11 3 NC 00	3/2 NC	NO	12V DC	1
07V 11 3 NO 01	3/2 NO	NC	24V DC	1
07V 11 3 NO 00	3/2 NO	NC	12V DC	1

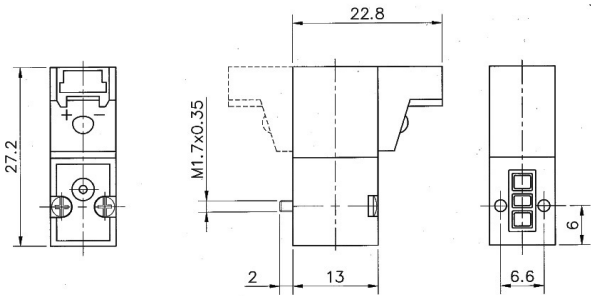
Item integrated with surge protector.

3/2

10 MM SOLENOID VALVE WITH 90° CONNECTOR + LED

IP50

07V 12 3 NC 01 07V 12 3 NC 00 07V 12 3 NO 01 07V 12 3 NO 00



Part No.	Function	Vacuum	Solenoid	Pack.
07V 12 3 NC 01	3/2 NC	NO	24V DC	1
07V 12 3 NC 00	3/2 NC	NO	12V DC	1
07V 12 3 NO 01	3/2 NO	NC	24V DC	1
07V 12 3 NO 00	3/2 NO	NC	12V DC	1

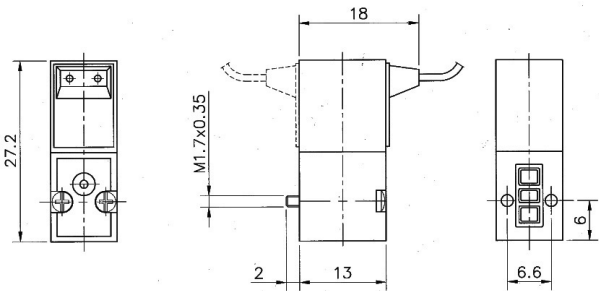
Item integrated with surge protector.

3/2

10 MM SOLENOID VALVE WITH CABLE (300 MM)

IP65

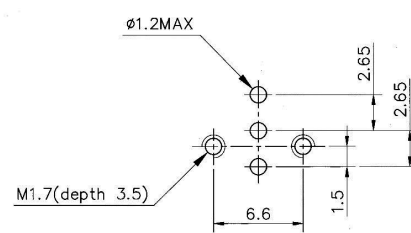
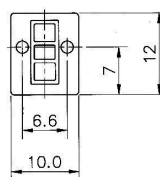
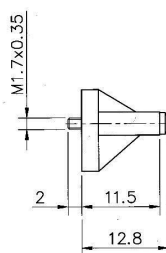
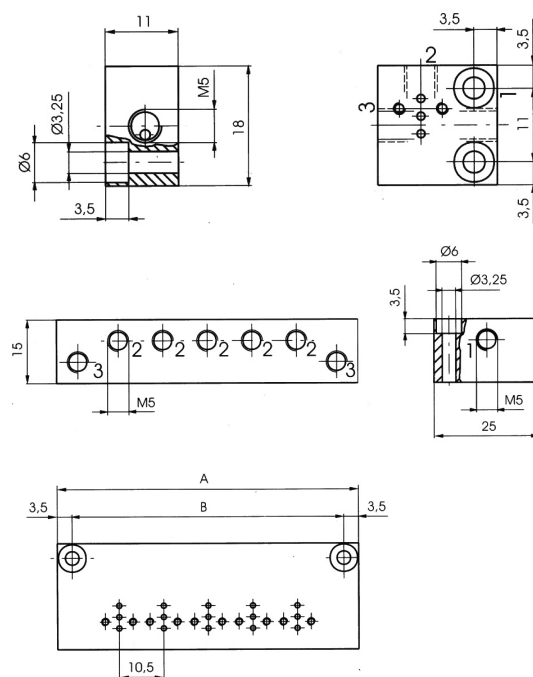
07V 13 3 NC 01 07V 13 3 NC 00 07V 13 3 NO 01 07V 13 3 NO 00



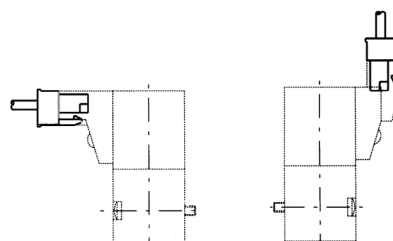
Part No.	Function	Vacuum	Solenoid	Pack.
07V 13 3 NC 01	3/2 NC	NO	24V DC	1
07V 13 3 NC 00	3/2 NC	NO	12V DC	1
07V 13 3 NO 01	3/2 NO	NC	24V DC	1
07V 13 3 NO 00	3/2 NO	NC	12V DC	1

The image shows two stainless steel components. The top component is a square block with two large threaded ports on the front face, labeled '1' and '2'. The bottom component is a long rectangular bar with multiple small holes along its top and front faces, and several threaded ports along its bottom face, labeled '1' and '2'.

Part No.	Stations	A	B	Pack.
07V 1B 0 00 01	1	-	-	1
07V 1B 0 00 02	2	39.5	32.5	1
07V 1B 0 00 06	6	81.5	74.5	1
07V 1B 0 00 08	8	102.5	95.5	1



Part No.	Pack.
07V B1 9 00 00	1



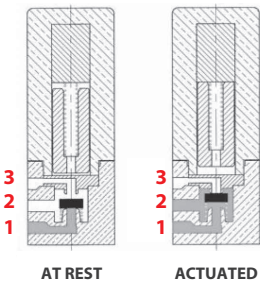
Part No.	Cable Length	Characteristics	Pack.
CON 21 0 24 00	500 mm	0÷24v	1
CON 21 0 24 01	1000 mm	0÷24v	1

15 MM MINIATURE SOLENOID VALVES

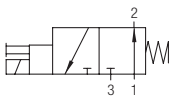
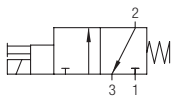
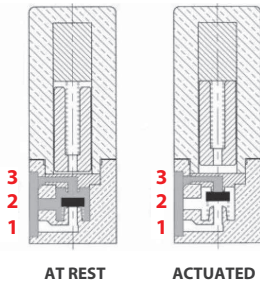


TECHNICAL CHARACTERISTICS

NORMALLY CLOSED (NC) 3/2



NORMALLY OPEN (NO) 3/2



Vacuum: 1 EXH
2 OUT
3 IN



Reference Standard

1907/2006
REACH

2011/65/CE
RoHS

PED
2014/68/UE

ISO 15218

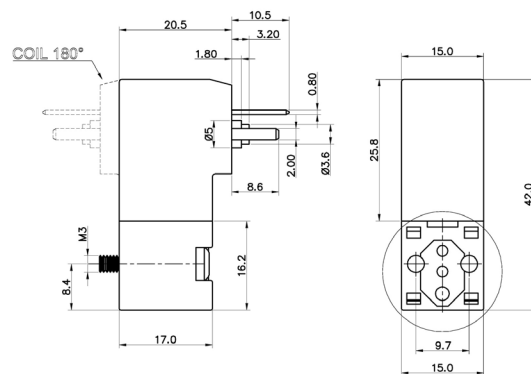
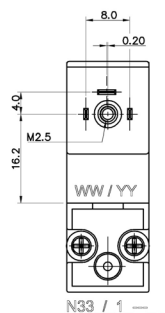
	OPERATING PRESSURE	0 ÷ 10 bar 0 ÷ 145 psi
	TEMPERATURE	-10 ÷ 50 °C 145 °F ÷ 122 °F
	6 bar FLOW RATE with Δp 1 bar	35 NI/min
	ORIFICE SIZE	1.1 mm
	LIFE EXPECTANCY	50 MILLION CYCLES
	VOLTAGE	12 V DC ÷ 24V DC

	POWER	2 W
	VOLTAGE TOLLERANCE	± 10%
	RESPONSE TIME WHILE ENERGIZED	5 ms (ON) 6 ms (OFF)
	PROTECTION DEGREE	IP50 WITH CONNECTOR
	CLASS OF PROTECTION	H (180 °C) F (356 °F)

Series	Actuation	Reactuation	Function	Orifice size	Voltage	
0 7 V	2	0	3	N C	1	0
	2 = 15 mm	0 = For terminals DIN 43650C	3 = 3/2	NO = Normally open NC = Normally closed	1 = 1.1 mm	0 = 12 V DC 1 = 24 V DC

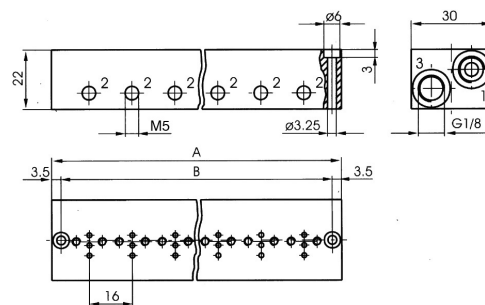
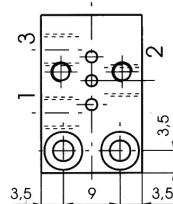
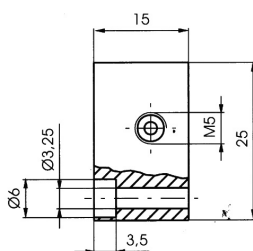
3/2

15 MM SOLENOID VALVE WITH TERMINALS (DIN 43650C)



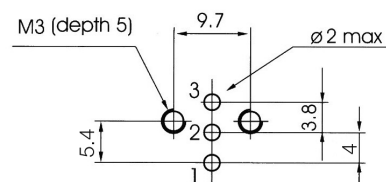
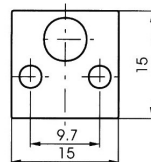
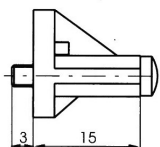
Part No.	Function	Vacuum	Solenoid	Pack.
07V 20 3 NC 11	3/2 NC	NO	24V DC	1
07V 20 3 NC 10	3/2 NC	NO	12V DC	1
07V 20 3 NO 11	3/2 NO	NC	24V DC	1
07V 20 3 NO 10	3/2 NO	NC	12V DC	1

INDIVIDUAL AND FIXED LENGTH MANIFOLD BASES



Part No.	Stations	A	B	Pack.
07V 2B 0 00 01	1	-	-	1
07V 2B 0 00 02	2	44	37	1
07V 2B 0 00 06	6	108	101	1
07V 2B 0 00 08	8	140	133	1

BLANKING PLATE



Part No.	Pack.
07V 2B 9 00 00	1