



System 8

The name "System 8" stands for a modular system of solenoid coils, armature systems, solenoid operators and solenoid valves. The diameter of the armatures of all valve components is approximately 8 mm. This value is the major characteristic of this type. The components' efficiency has been increased to the optimum in years of simulation, construction and practical testing.

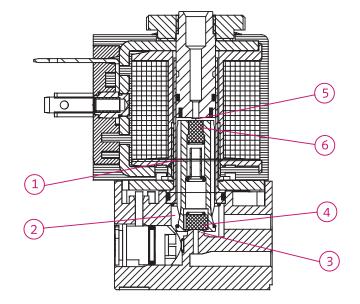
APPLICATION OF SYSTEM 8

The solenoid operators and solenoid valves of system 8 can be used for operating 2/2- or 3/2 way valves, especially in pneumatics. Available switching functions are *normally closed* and *normally open*.

For 3/2 way valves of this series, typical maximum values for operating pressure and nominal orifice are 16 bar/2.5 mm. 2/2 way solenoid operators and solenoid valves can also be used for controlling liquids.

FUNCTION

While the solenoid operator/solenoid valve is deenergized, the armature¹ is being pushed down on the lower valve seat³ by the reset spring². The lower valve seat is closed by a sealing element⁴. In this switch position the upper valve seat⁵ in the magnetic core is open. When the valve is energized, the magnetic force



exceeds the force of the reset spring and moves the armature into the opposite extreme position. In this case the upper valve seat⁵ is closed by the sealing element⁶, whereas the lower valve seat³ is open.

Solenoid operators and solenoid valves have identical functionality. However, if solenoid operators are ordered, neither the lower valve seat nor the valve body is shipped. Those components have to be provided by the customer.

2/2 way valves do not have an upper valve seat. Besides that, the function of the magnet is identical.



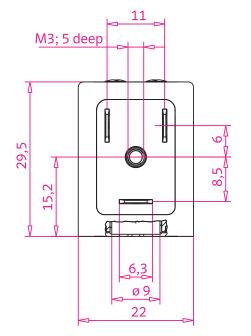
Width: 22 mm

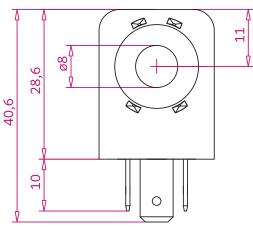
Protection class ·····I

Connection type: industry form Moulding material: thermoset resin

General Data







108-030-0048 24 V DC - 2,0 2 35 108-030-0862 110 V AC 50 4,1 2 50 108-030-0862 110 V AC 60 3,3 2 50 108-030-0798 230 V AC 60 3,9 2 50 108-030-0798 230 V AC 60 3,2 2 50 108-030-0050 24 V DC - 2,6 3 45 108-030-0052 24 V AC 50 6,0 3 75 108-030-0052 24 V AC 60 4,9 3 75 108-030-0052 24 V AC 50 6,0 3 75 108-030-0051 220 V AC 50 6,0 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0862 110 V AC 60 3,3 2 50 108-030-0798 230 V AC 50 3,9 2 50 108-030-0798 230 V AC 60 3,2 2 50 108-030-0050 24 V DC - 2,6 3 45 108-030-0052 24 V AC 50 6,0 3 75 108-030-0052 24 V AC 60 4,9 3 75 108-030-0049 220 V AC 50 6,0 3 75 108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0798 230 V AC 50 3,9 2 50 108-030-0798 230 V AC 60 3,2 2 50 108-030-0050 24 V DC - 2,6 3 45 108-030-0052 24 V AC 50 6,0 3 75 108-030-0052 24 V AC 60 4,9 3 75 108-030-0049 220 V AC 50 6,0 3 75 108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0798 230 V AC 60 3,2 2 50 108-030-0050 24 V DC - 2,6 3 45 108-030-0052 24 V AC 50 6,0 3 75 108-030-0052 24 V AC 60 4,9 3 75 108-030-0049 220 V AC 50 6,0 3 75 108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0050 24 V DC - 2,6 3 45 108-030-0052 24 V AC 50 6,0 3 75 108-030-0052 24 V AC 60 4,9 3 75 108-030-0049 220 V AC 50 6,0 3 75 108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0052 24 V AC 50 6,0 3 75 108-030-0052 24 V AC 60 4,9 3 75 108-030-0049 220 V AC 50 6,0 3 75 108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0052 24 V AC 60 4,9 3 75 108-030-0049 220 V AC 50 6,0 3 75 108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0049 220 V AC 50 6,0 3 75 108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0049 220 V AC 60 4,9 3 75 108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0051 230 V AC 50 6,0 3 75 108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0051 230 V AC 60 4,9 3 75 108-030-0043 12 V DC - 4,6 4 70
108-030-0043 12 V DC - 4,6 4 70
108-030-0043 24 V AC 50 7,1 4 90
108-030-0044 24 V DC - 4,8 4 70
108-030-0044 48 V AC 50 7,7 4 90
108-030-0047 220 V AC 50 8,5 4 95
108-030-0046 230 V AC 50 7,9 4 90
108-030-0046 230 V AC 60 6,4 4 90
108-030-0047 240 V AC 60 9,0 4 95
108-030-1169 12 V DC - 5,5 5 85
108-030-0045 24 V DC - 6,0 5 85
108-030-1169 24 V AC 50 9,2 5 105
108-030-0045 48 V AC 60 7,6 5 85
108-030-1120 230 V AC 50 9,4 5 102

 $\Delta\theta_{^{32}}[K]:$ steady-state over-temperature according to VDE 0580

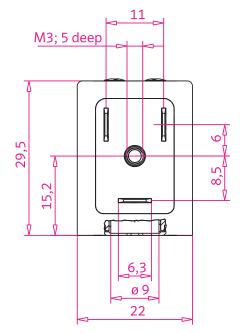


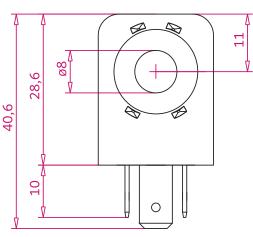
Width: 22 mm

Connection type: industry form Moulding material: thermoplastic

General Data







Part No.	Voltage	Frequency [Hz]	Rated Power [W] [VA]	Power Level	Δθ ₃₂ [K]
108-030-0278	24 V DC	-	1,1	1	20
108-030-0273	24 V DC	-	2,0	2	35
108-030-0279	24 V AC	50	3,6	2	50
108-030-0279	24 V AC	60	3,0	2	50
108-030-0268	110 V AC	50	4,1	2	50
108-030-0268	110 V AC	60	3,3	2	50
108-030-0276	220 V AC	50	3,9	2	50
108-030-0276	220 V AC	60	3,2	2	50
108-030-0294	230 V AC	50	3,9	2	50
108-030-0294	230 V AC	60	3,2	2	50
108-030-0271	12 V DC	-	2,4	3	45
108-030-0275	24 V DC	-	2,6	3	45
108-030-0260	48 V DC	_	2,7	3	75
108-030-0260	110 V AC	50	6,0	3	75
108-030-0274	110 V DC	_	3,6	3	75
108-030-0274	220 V AC	50	6,0	3	105
108-030-0281	230 V AC	50	6,0	3	75
108-030-0281	240 V AC	60	5,5	3	75
108-030-0257	12 V DC	-	4,6	4	100
108-030-0257	24 V DC	50	7,1	4	100
108-030-0258	24 V DC	-	4,8	4	70
108-030-0258	48 V AC	50	8,0	4	70
108-030-0259	48 V DC	-	5,0	4	70
108-030-0267	110 V AC	50	8,6	4	100
108-030-0267	110 V AC	60	6,6	4	100
108-030-0261	220 V AC	50	9,3	4	105
108-030-0269	230 V AC	50	7,9	4	95
108-030-0269	230 V AC	60	6,4	4	99
108-030-0270	12 V AC	50	8,8	5	105
108-030-0264	24 V DC	-	6,0	5	85
108-030-0263	24 V AC	50	9,3	5	110
108-030-0266	110 V AC	50	8,6	5	105
108-030-0286	110 V DC	-	6,1	5	105
108-030-0266	120 V AC	60	8,7	5	105
108-030-0272	110 V DC	-	4,9	5	105
108-030-0272	220 V AC	50	8,5	5	105
108-030-0287	220 V AC	50	8,0	5	105
108-030-0286	230 V AC	60	9,7	5	105
108-030-0298	220 V AC	50	8,0	5	105
108-030-0298	230 V AC	50	9,4	5	105

 $\Delta\theta_{^{32}}[K];$ steady-state over-temperature according to VDE 0580



Width: 22 mm

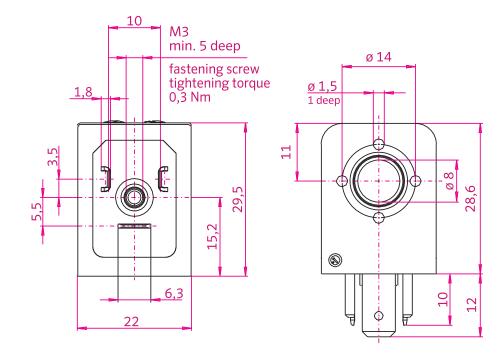
Connection type: form B - EN 175301-803-B

Moulding material: thermoset resin

General Data

Voltage tolerance ± 10 %
Ambient temperature ······ - 20 °C to + 50 °C
Relative duty cycle ······ 100 %
Insulation class of insulating materials
according to DIN VDE 0580F
Degree of protection with connector
according to EN 60529 IP 65 (IP 67 possible with accessoires)
Imprint ····· nass magnet (customer imprint possible)
Protection class ······I





Part No.	Voltage	Frequency [Hz]	Rated Power [W] [VA]	Power Level	Δ θ ₃₂[K]
108-030-0524	24 V DC	-	6,0	5	85
108-030-0524	48 V AC	60	7,6	5	85
108-030-0525	110 V AC	50	8,6	5	105
108-030-0525	120 V AC	60	8,7	5	105



Width: 22 mm

Connection type: form B - EN 175301-803-B

Moulding material: thermoplastic

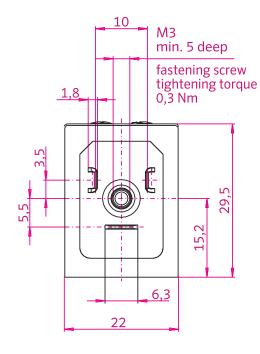
General Data

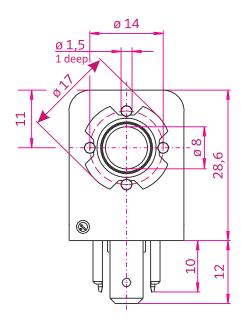
Voltage tolerance \pm 10 % Insulation class of insulating materials according to DIN VDE 0580 -----F Degree of protection with connector according to EN 60529IP 65

Imprintnass magnet (customer imprint possible)

Protection class ·····I







Part No.	Voltage	Frequency [Hz]	Rated Power [W] [VA]	Power Level	Δθ ₃₂ [K]
108-030-0889	24 V DC	-	1,7	2	35
108-030-0891	24 V DC	-	2,6	3	45
108-030-0892	230 V AC	50	6,0	3	75
108-030-0892	230 V AC	60	4,9	3	75
108-030-0887	24 V DC	-	4,8	4	70
108-030-0887	48 V AC	50	7,7	4	70
108-030-0890	110 V DC	-	4,9	4	100
108-030-0890	220 V AC	50	8,5	4	100
108-030-0893	24 V AC	50	7,9	4	95
108-030-0893	24 V AC	60	6,4	4	95
108-030-0888	24 V DC	-	6,0	5	85
108-030-0888	48 V AC	60	7,6	5	85



Width: 22 mm

Connection type: M 12 metal thread Moulding material: thermoset resin

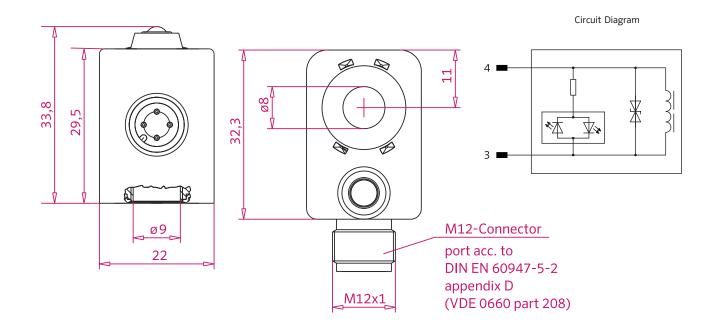
General Data

Degree of protection with connector

according to EN 60529IP 65 (IP 67 on request)

Protection class ·····II





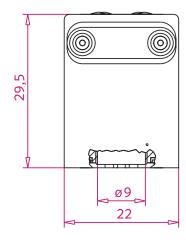
Part No.	Voltage	Rated Power [W]	Power Level	Δ 9 32 [K]	LED yellow
108-030-1109	24 V DC	2,5	3	45	х
108-030-0240	24 V DC	4,8	4	70	Х

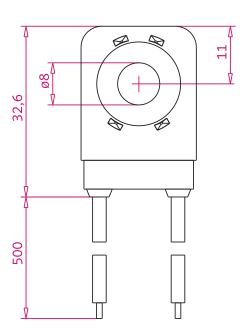
Width: 22 mm
Connection type: flying leads
Moulding material: thermoplastic

General Data

Voltage tolerance ······	· ± 10 %
Ambient temperature ·····	· - 20 °C to + 50 °C
Relative duty cycle ······	· 100 %
Insulation class of insulating materials	
according to DIN VDE 0580	·F
Degree of protection	· IP 65
Imprint	· nass magnet (customer imprint possible)
Protection class ·····	·







Part No.	Voltage	Frequency [Hz]	Rated Power [W] [VA]	Power Level	Δ 9 32 [K]	Length of Flying Leads
108-030-0788	24 V DC	-	2,6	3	45	500 mm
108-030-0785	48 V DC	-	2,7	3	45	500 mm
108-030-0784	24 V DC	-	4,8	4	70	500 mm
108-030-0784	48 V AC	50	8,5	4	70	500 mm
108-030-0785	110 V AC	50	6,0	4	45	500 mm
108-030-0786	24 V DC	-	6,0	5	85	500 mm



Width: 30 mm

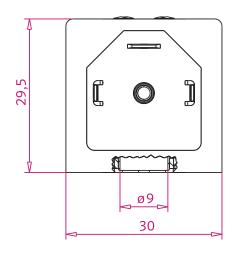
Connection type: form A - EN 175301-803-A

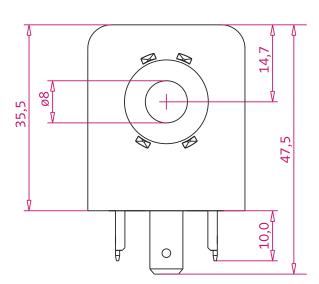
Moulding material: thermoset resin

General Data

Protection class ·····I

Chass
magnet
Made in Servany
0542 00.1-00/5320
110V 50HZ 10.5VA
120V 50HZ 7.5VA
100X ED 9.9VA





Part No.	Voltage	Frequency [Hz]	Rated Power [W] [VA]	Power Level	Δ 9 32 [K]
108-030-1089	24 V DC	-	2,1	3	35
108-030-0093	24 V DC	-	2,7	4	35
108-030-0716	24 V AC	50	5,2	4	70
108-030-0716	24 V AC	60	3,9	4	60
108-030-0092	220 V AC	50	4,9	4	60
108-030-0092	240 V AC	60	4,8	4	60
108-030-0094	24 V DC	-	4,5	5	60
108-030-0098	48 V DC	-	4,9	5	60
108-030-0477	110 V AC	50	7,6	5	70
108-030-0477	120 V AC	60	6,9	5	70
108-030-0096	48 V AC	50	9,9	6	85
108-030-0096	48 V AC	60	7,1	6	85
108-030-0095	110 V AC	-	6,9	6	90
108-030-0097	110 V AC	50	10,5	6	90
108-030-0097	120 V AC	60	9,9	6	90
108-030-0095	220 V AC	50	10,5	6	90



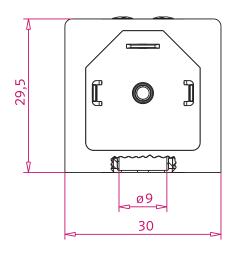
Width: 30 mm

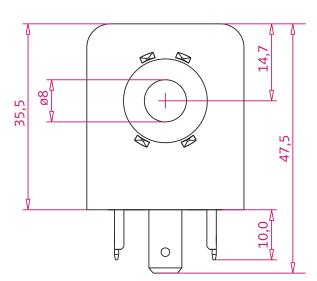
Connection type: form A - EN 175301-803-A

Moulding material: thermoplastic

General Data







Part No.	Voltage	Frequency [Hz]	Rated Power [W] [VA]	Power Level	Δθ ₃₂ [K]
108-030-0570	24 V DC	-	0,7	1	15
108-030-0559	24 V DC	-	2,1	3	35
108-030-0564	12 V DC	-	2,6	4	40
108-030-0557	24 V AC	50	5,2	4	70
108-030-0557	24 V AC	60	3,9	4	70
108-030-0560	24 V DC	-	2,7	4	40
108-030-0555	48 V DC	-	3,4	4	60
108-030-0555	110 V AC	50	4,8	4	60
108-030-0553	220 V AC	50	4,9	4	60
108-030-0553	220 V AC	60	3,7	4	60
108-030-0561	24 V DC	-	4,5	5	60
108-030-0554	110 V DC	-	6,0	5	75
108-030-0569	110 V DC	-	5,3	5	75
108-030-0556	110 V AC	50	7,6	5	70
108-030-0556	120 V AC	60	6,9	5	70
108-030-0554	220 V AC	50	8,0	5	75
108-030-0569	230 V AC	50	7,9	5	75
108-030-0558	12 V DC	-	6,2	6	85
108-030-0563	24 V DC	-	6,8	6	85
108-030-0563	48 V AC	50	9,9	6	90
108-030-0562	110 V DC	-	6,5	6	90
108-030-0565	110 V AC	50	10,5	6	90
108-030-0565	120 V AC	60	9,9	6	90
108-030-0562	220 V AC	50	10,5	6	90
108-030-0568	230 V AC	50	10,5	6	90
108-030-0568	230 V AC	60	7,6	6	90



Width: 30 mm

Connection type: M 12 metal thread Moulding material: thermoset resin

General Data

Insulation class of insulating materials

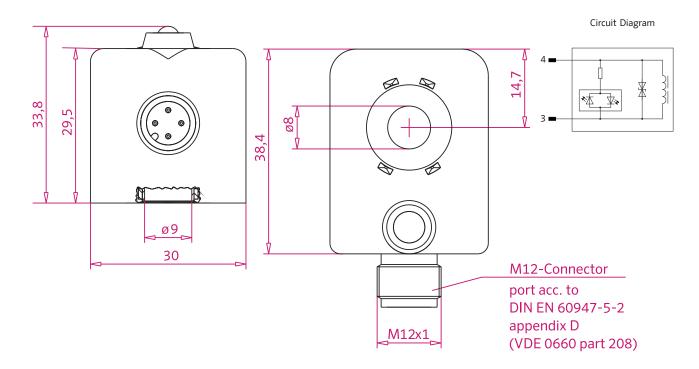
according to DIN VDE 0580 -----F

Degree of protection with connector IP 65 (IP 67 on request)

Imprintnass magnet (customer imprint possible)

Protection class ·····II





Part No.	Voltage	Rated Power [W]	Power Level	Δ 9 32 [K]	LED	Contact 2-pole
 108-030-0181	24 V DC	2,7	4	35	yellow	х
108-030-0182	24 V DC	4,5	5	60	yellow	х



Width: 30 mm

Connection type: bayonet (connector DIN 72585)

Moulding material: thermoplastic

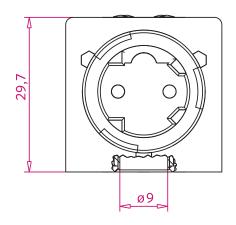
General Data

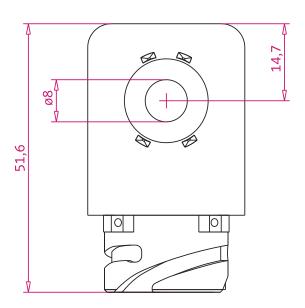
Degree of protection with connector according to EN 60529IP 6K 9K

Imprintnass magnet (customer imprint possible)

Protection class ·····III









Part No.	Voltage	Rated Power [W]	Power Level	Δ θ 32 [K]
108-030-0256	24 V DC	4,5	5	60

SPECIAL REMARKS

Note: The proportions of the solenoid coils displayed in the images on this page do not represent the actual proportions.

The technical data are valid for the indicated standard voltages. Other voltages are available on request.

Perfect function of these solenoid coils with the pertinent components included in this catalogue is assured with the winding having reached its operating temperature (max. ambient temperature and max. voltage tolerance). The steady-state over-temperature is reached in case of valve bodies of plastic and coil encapsulation made of Thermoplastic. All valves are designed in compliance with DIN VDE 0580. Arrangement of the valves in modular design is possible, however, it may ensue a higher temperature increased by up

to 20 K and may limit the function. A general lifetime of the products cannot be specified, as it is decisively influenced by ambient conditions, the single application and combination with other components. The function can only be fulfilled in case of exclusive use of *nass magnet* products.

Should there be deviating or additional operating conditions compared to the abovementioned conditions, special testing is necessary in order to verify the usability of the *nass magnet* products.

nass magnet will be glad to give you the required advice.



Width: 22 mm
Connection type: industry form
Moulding material: thermoset
resin and thermoplastic



Width: 22 mm Connection type: form B Moulding material: thermoset resin and thermoplastic



Width: 22 mm Connection type: flying leads Moulding material: thermoplastic



Width: 22 mm Connection type: M 12 metal thread Moulding material: thermoset resin



Width: 30 mm Connection type: form A Moulding material: thermoset resin and thermoplastic



Width: 30 mm Connection type: M 12 metal thread Moulding material: thermoset resin



Width: 30 mm
Connection type: bayonet
Moulding material: thermoplastic

ARMATURE ASSEMBLY GW (THREAD)

Switching function: 2/2 and 3/2 way
De-energized state: NC (normally closed)
Connection type: thread M 12 x 0,5

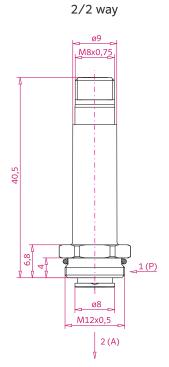
General Data

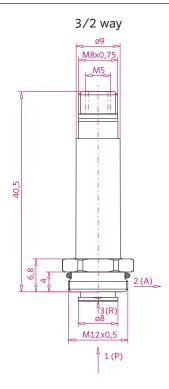
Ambient temperature ------ - 10 °C to + 50 °C

Quality of medium according to ISO 8573-1compressed air class 4, 3, 4

Mounting positionany (preferably plunger in vertical direction)





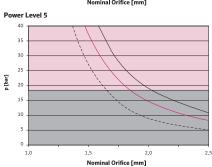


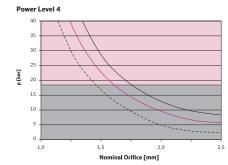
Part No.	Function	Power Level	Nominal (Orifice [mm] exhaust	Pressure [bar]	Appr	opriate for	brass	Armature Guide stainless steel
108-010-0082	3/2 way NC	1	0,6	0,8	10	DC		х	
108-010-0085	3/2 way NC	1	0,8	1,0	8	DC		х	
108-010-0027	3/2 way NC	2	0,8	1,0	10	DC	AC	х	
108-010-0017	3/2 way NC	3	1,0	1,3	10	DC	AC	х	
108-010-0053	3/2 way NC	3	1,0	1,3	10	DC	AC		х
108-010-0005	2/2 way NC	3, 4, 5, 6	see below	1		DC	AC	х	
108-010-0014	2/2 way NC	3, 4, 5, 6	see below	1		DC	AC		х
108-010-0016	3/2 way NC	4	1,3	1,5	10	DC	AC	х	
108-010-0002	3/2 way NC	5	1,5	1,7	10	DC	AC	х	
108-010-0045	3/2 way NC	5	1,5	1,7	10	DC	AC		х
108-010-0004	3/2 way NC	6	1,7	1,7	10	DC	AC	Х	

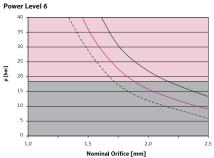
Power Levels for 2/2 Way Versions

____ AC - 50 Hz ____ AC - 60 Hz _ _ _ DC - 5 % residual ripple ____ max. test pressure: 18 bar · special versions on request









ARMATURE ASSEMBLY FL

Switching function: 2/2 and 3/2 way
De-energized state: NC (normally closed),
NO (normally open)

Connection type: flange

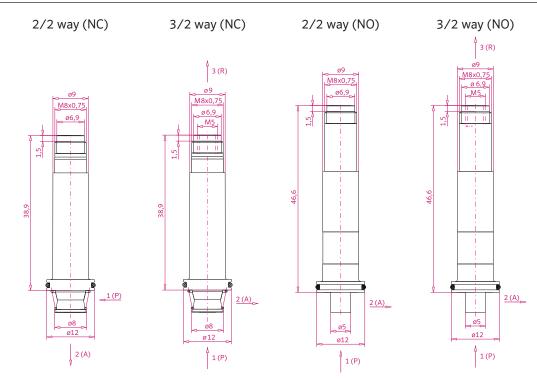
General Data

Ambient temperature ------ - 10 °C to + 50 °C

Quality of medium according to ISO 8573-1compressed air class 4, 3, 4

Mounting positionany (preferably plunger in vertical direction)

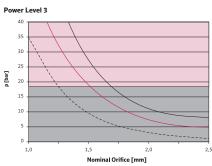


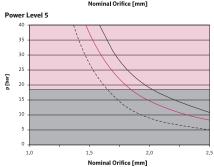


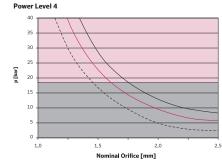
Part No.	Function	Power Level	Nominal (Orifice [mm] exhaust	Pressure [bar]	Appr	opriate for	Armatur brass	e Guide stainless steel
108-010-0081	3/2 way NC	1	0,6	0,8	10	DC		Х	
108-010-0084	3/2 way NC	1	0,8	1,0	8	DC		Х	
108-010-0100	3/2 way NC	1	0,6	0,8	10	DC			Х
108-010-0026	3/2 way NC	2	0,8	1,0	10	DC	AC	Х	
108-010-0007	3/2 way NC	3	1,0	1,3	10	DC	AC		Х
108-010-0010	3/2 way NC	3	1,0	1,3	10	DC	AC	Х	
108-010-0006	2/2 way NC	3, 4, 5, 6	see below	/		DC	AC	Х	
108-010-0088	2/2 way NC	3, 4, 5, 6	see below	/		DC			Х
108-010-0009	3/2 way NC	4	1,3	1,5	10	DC	AC	Χ	
108-010-0049	3/2 way NC	4	1,3	1,5	10	DC	AC		Х
108-010-0172	3/2 way NO	4	1,0	1,3	10	DC		Х	
108-010-0001	3/2 way NC	5	1,5	1,7	10	DC	AC	Х	
108-010-0060	3/2 way NC	5	1,5	1,7	10	DC	AC		Х
108-010-0003	3/2 way NC	6	1,7	1,7	10	DC	AC	Х	
108-010-0066	3/2 way NC	6	1,7	1,7	10	DC	AC		Х

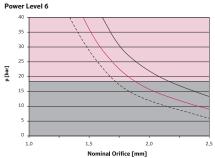
Power Levels for 2/2 Way Versions

____ AC - 50 Hz ____ AC - 60 Hz _ _ _ DC - 5 % residual ripple ____ max. test pressure: 18 bar · special versions on request











VALVE SYSTEM CNOMO

Height: 22 mm

Switching function: 2/2 and 3/2 way

De-energized state: NC (normally closed), NO (normally open)

Valve body: plastics

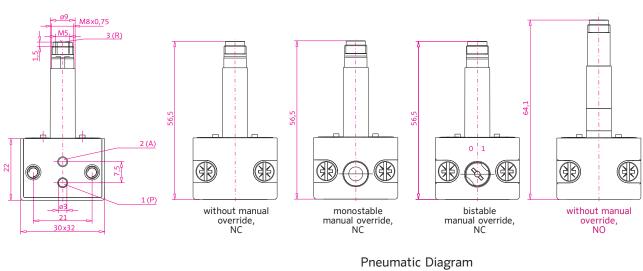
General Data

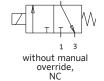
Ambient temperature $-10 \,^{\circ}\text{C}$ to $+50 \,^{\circ}\text{C}$

Quality of medium according to ISO 8573-1 compressed air class 4, 3, 4

Mounting position any (preferably plunger in vertical direction) Sealing material FPM (other sealing materials on request)









manual override, NC



bistable manual override, NC



without manual override, NO



Part No.	Power Level	Nomina inlet	l Orifice [mm] exhaust	Pressure [bar]	Flow Rat	t e* [l/min] 2-3	Manual O bistable	verride monostable	Approp	riate for
108-050-0190	1	0,8	1,0	8	20	30	х		DC	
108-050-0194	1	0,6	0,7	10	12	22	х		DC	
108-050-0202	1	0,8	1,0	8	20	30			DC	
108-050-0207	1	0,8	1,0	8	20	30		х	DC	
108-050-0243	2	0,8	1,0	10	20	30	х		DC	AC
108-050-0109	3	1,0	1,3	10	35	60	х		DC	AC
108-050-0110	3	1,0	1,3	10	35	60			DC	AC
108-050-0126	3	1,0	1,3	10	35	60		х	DC	AC
108-050-0111	4	1,3	1,5	10	50	75	х		DC	AC
108-050-0114	4	1,3	1,5	10	50	75			DC	AC
108-050-0127	4	1,3	1,5	10	50	75		х	DC	AC
108-050-0122	5	1,5	1,7	10	65	90	х		DC	AC
108-050-0124	5	1,5	1,7	10	65	90			DC	AC
108-050-0130	5	1,5	1,7	10	65	90		х	DC	AC
108-050-0116	6	1,3	1,5	16	50	75	х		DC	AC
108-050-0118	6	1,3	1,5	16	50	75			DC	AC
108-050-0125	6	1,7	1,7	10	80	90			DC	AC
108-050-0160	6	1,7	1,7	10	80	90		х	DC	AC
108-050-0137	6	1,3	1,5	16	50	75		х	DC	AC

^{*} qv flow rate at an inlet pressure of 6 bar (X = 1 bar) and 0 °C; flow rate detection in compliance with ISO 6358 **Note:** Bistable manual override is a combination of the pushing/resetting function and the rotating/latching function.



VALVE SYSTEM CNOMO

Height: 22 mm

Switching function: 3/2 way, 2/2 way possible with accessoires De-energized state: NC (normally closed), NO (normally open)

without manual

override,

NC

Valve body: aluminium, coated

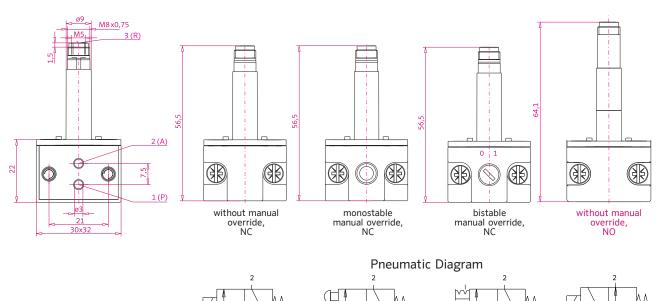
General Data

Ambient temperature ------ - 10 °C to + 50 °C

Quality of medium according to ISO 8573-1compressed air class 4, 3, 4

Mounting positionany (preferably plunger in vertical direction)





1 3

monostable

manual override,

NC

1 3

without manual

override,

NO

bistable

manual override,

NC

Part No.	Power Level	Nomir inlet	nal Orifice [mm] exhaust	Pressure [bar]	Flow Ra	ate* [l/min] 2-3		Override monostable	Approp	iate for
108-050-0189	1	0,8	1,0	8	20	30	Х		DC	
108-050-0201	1	0,8	1,0	8	20	30		Х	DC	
108-050-0002	3	1,0	1,3	10	35	60	Х		DC	AC
108-050-0242	3	1,0	1,3	10	35	60			DC	AC
108-050-0003	4	1,3	1,5	10	50	75	Х		DC	AC
108-050-0023	4	1,3	1,5	10	50	75		х	DC	AC
108-050-0004	5	1,5	1,7	10	65	90	Х		DC	AC
108-050-0005	5	1,5	1,7	10	65	90			DC	AC
108-050-0007	5	1,5	1,7	10	65	90		х	DC	AC
108-050-0135	5	1,0	1,3	16	35	60		х	DC	AC
108-050-0006	6	1,7	1,7	10	84	94			DC	AC
108-050-0035	6	1,7	1,7	10	84	94		х	DC	AC
108-050-0037	6	1,3	1,5	16	50	75		х	DC	AC

^{*} qv flow rate at an inlet pressure of 6 bar (X = 1 bar) and 0 °C; flow rate detection in compliance with ISO 6358 **Note:** Bistable manual override is a combination of the pushing/resetting function and the rotating/latching function.



VALVE SYSTEM CNOMO

Height: 30 mm

Switching function: 3/2 way, 2/2 way possible with accessoires

De-energized state: NC (normally closed)

Valve body: plastics

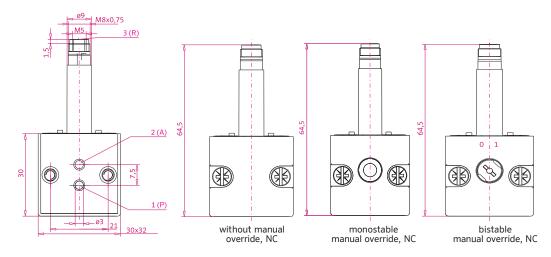
General Data

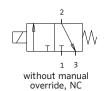
Ambient temperature \sim 10 °C to + 50 °C

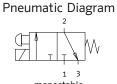
Quality of medium according to ISO 8573-1 compressed air class 4, 3, 4

Mounting position any (preferably plunger in vertical direction) Sealing material FPM (other sealing materials on request)









monostable manual override, NC



Part No.	Power Level	Nomina inlet	al Orifice [mm] exhaust	Pressure [bar]	Flow Rate	e* [I/min] 2-3	Manual Override bistable monostable	Appropri	ate for
108-050-0169	3	1,0	1,3	10	35	60	х	DC	AC

Notes:

- Bistable manual override is a combination of the pushing/resetting function and the rotating/latching function.
- Switching function 3/2 way NO (normally open) on request

 $^{^*}$ qv flow rate at an inlet pressure of 6 bar (X = 1 bar) and 0 °C; flow rate detection in compliance with ISO 6358



VALVE SYSTEM KR

Switching function: 3/2 way

De-energized state: NC (normally closed), NO (normally open)

Gasket of the pneumatic interface: concentric O'rings (KR) sealing material FPM

Valve body: plastics

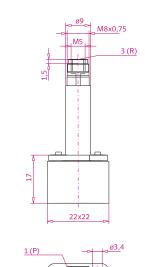
General Data

Ambient temperature - 10 °C to + 50 °C

Quality of medium according to ISO 8573-1compressed air class 4, 3, 4

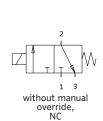
Mounting position any (preferably plunger in vertical direction)





ø10,5

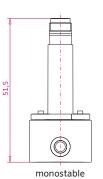
14

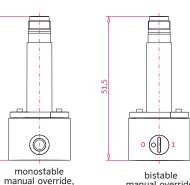


without manual

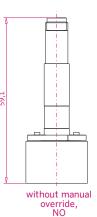
override,

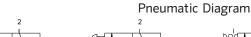
NC





59,1 manual override,







NC

NC



bistable manual override, NC



override, NO

2 (A)

Part No.	Power Level	Nominal (Orifice [mm] exhaust	Pressure [bar]	Flow R 1-2	ate* [l/min] 2-3	Manual O bistable	verride monostable	Approp	riate for
108-050-0188	1	0,8	1,0	8	20	30			DC	
108-050-0196	1	0,6	0,8	10	12	22	х		DC	
108-050-0208	1	0,8	1,0	8	20	30	Х		DC	
108-050-0008	3	1,0	1,3	10	35	54	х		DC	AC
108-050-0013	3	1,0	1,3	10	35	54			DC	AC
108-050-0078	3	1,0	1,3	10	35	54		х	DC	AC
108-050-0009	4	1,3	1,5	10	55	70	х		DC	AC
108-050-0014	4	1,3	1,5	10	55	70			DC	AC
108-050-0072	4	1,3	1,5	10	55	70		х	DC	AC
108-050-0012	5	1,5	1,7	10	65	80	x		DC	AC
108-050-0015	5	1,5	1,7	10	65	80			DC	AC
108-050-0063	5	1,5	1,7	10	65	80		х	DC	AC

^{*} qv flow rate at an inlet pressure of 6 bar (X = 1 bar) and 0 °C; flow rate detection in compliance with ISO 6358



VALVE SYSTEM GKR

Switching function: 3/2 way

De-energized state: NC (normally closed), NO (normally open)

Gasket of the pneumatic interface: internal exhaust sealing material FPM

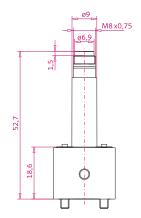
Valve body: plastics

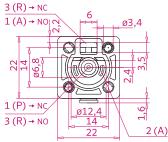
General Data

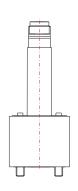
Quality of medium according to ISO 8573-1compressed air class 4, 3, 4

Mounting position any (preferably plunger in vertical direction)

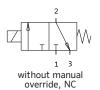


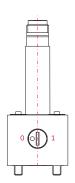






without manual override, NC





bistable manual override, NC

Pneumatic Diagram



bistable manual override, NC



without manual override, NO



Part No.	Power Level	Nominal inlet	Orifice [mm] exhaust	Pressure [bar]	Flow R 1-2	ate* [l/min] 2-3	Manual Override bistable monostable	Approp	riate for
108-050-0099	3	1,0	1,3	10	26	42	х	DC	AC
108-050-0081	4	1,3	1,5	10	48	56	х	DC	AC

^{*} qv flow rate at an inlet pressure of 6 bar (X = 1 bar) and 0 °C; flow rate detection in compliance with ISO 6358



VALVE SYSTEM FL

Switching function: 3/2 way

De-energized state: NC (normally closed), NO (normally open)

Gasket of the pneumatic interface: O'rings, asymmetrical (FL)

sealing material FPM

Valve body: plastics

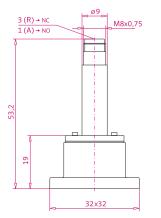
General Data

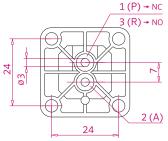
Ambient temperature ------ - 10 °C to + 50 °C

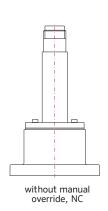
Quality of medium according to ISO 8573-1 compressed air class 4, 3, 4

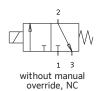
Mounting positionany (preferably plunger in vertical direction)

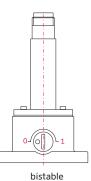




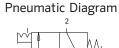








bistable manual override, NC



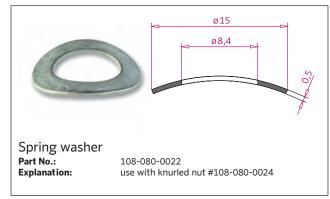
1 3 bistable manual override, NC



Part No.	Power Level	Nominal (Orifice [mm] exhaust	Pressure [bar]	Flow R	ate* [l/min] 2-3	Manual Override bistable without	Approp	riate for
108-050-0044	3	1,0	1,3	10	25	58	х	DC	AC
108-050-0045	4	1,3	1,5	10	52	80	х	DC	AC
108-050-0046	5	1,5	1,7	10	64	88	х	DC	AC
108-050-0047	5	1,5	1,7	10	64	88	х	DC	AC

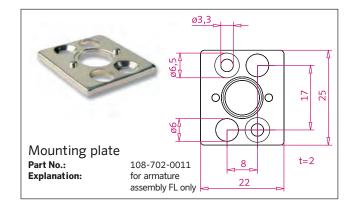
 $^{^*}$ qv flow rate at an inlet pressure of 6 bar (X = 1 bar) and 0 °C; flow rate detection in compliance with ISO 6358





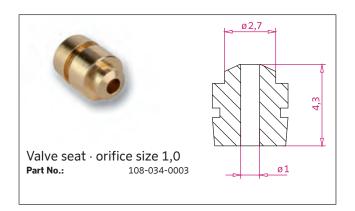


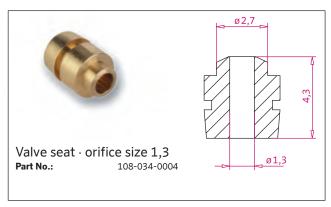


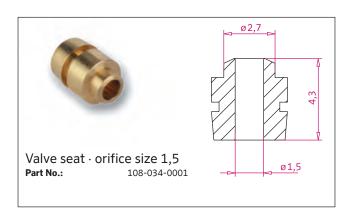


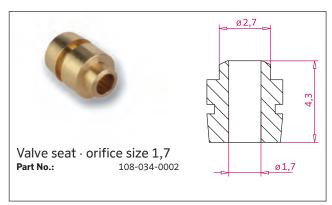


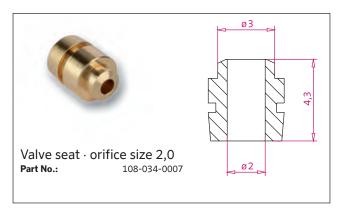




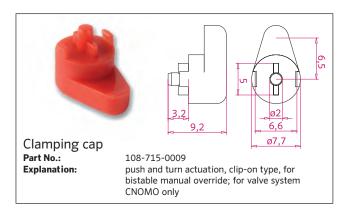


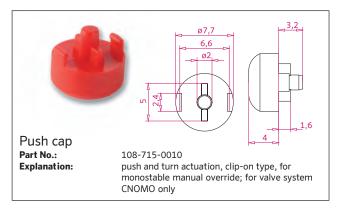








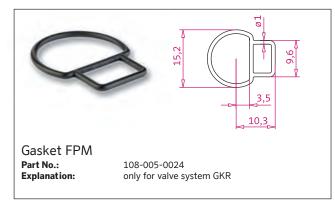


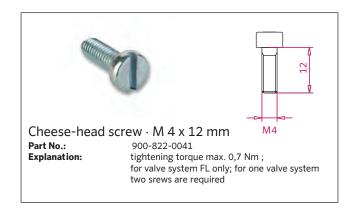




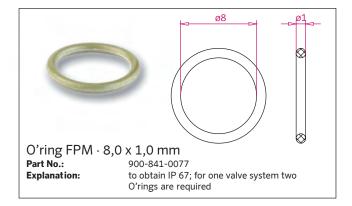


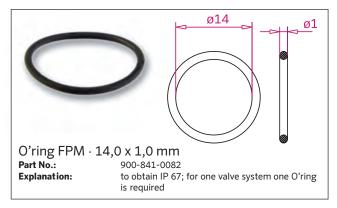








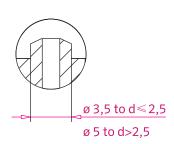






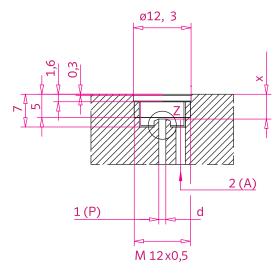
PNEUMATIC CONNECTION SOLENOID OPERATOR

Ζ

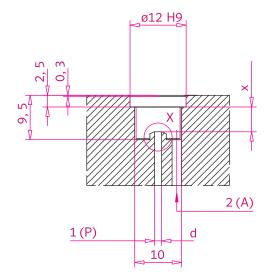


)	(
d	1 W 1 W	2 1 3
0,6	5,00	5,20
0,8	5,05	5,25
1,0	5,10	5,30
1,3	5,15	5,30
1,5	5,20	5,30
1,7	5,25	5,30
2,0	5,30	_
2,5	5,40	-
3,0	5,50	-
3,5	5,60	-

Thread Version with O'ring Seal



Flange Version with O'ring Seal



Note:

Specifications regarding the characteristic of the customer interface are available at *nass magnet* on request.