



Type of valve with G1/8 consumption on valve body supplied:

**GH-...series** with integrated electrical connection

**G-...series** without electrical connection

### TECHNICAL CHARACTERISTICS

Ambient temperature:  $-20^{\circ} \div 50^{\circ}\text{C}$ .

Fluid temperature:  $50^{\circ}\text{C}$  max.

Fluid: filtered air  $50\ \mu\text{m}$  with or without lubrication (not dehumidified or neutral gases)

Switching system: spool.

Body: die-cast zamak.

Valve function: 5/2-5/3-3/2+3/2.

Pressure  $1,5 \div 9$  bar.

Flow rate: 770 NI/min 5/2,

700 NI/min 5/3,

670 NI/min 3/2+3/2.

Control: indirect electro-pneumatic or pneumatic.

Return: mechanical spring, pneumatic spring

Seals: nitrile rubber

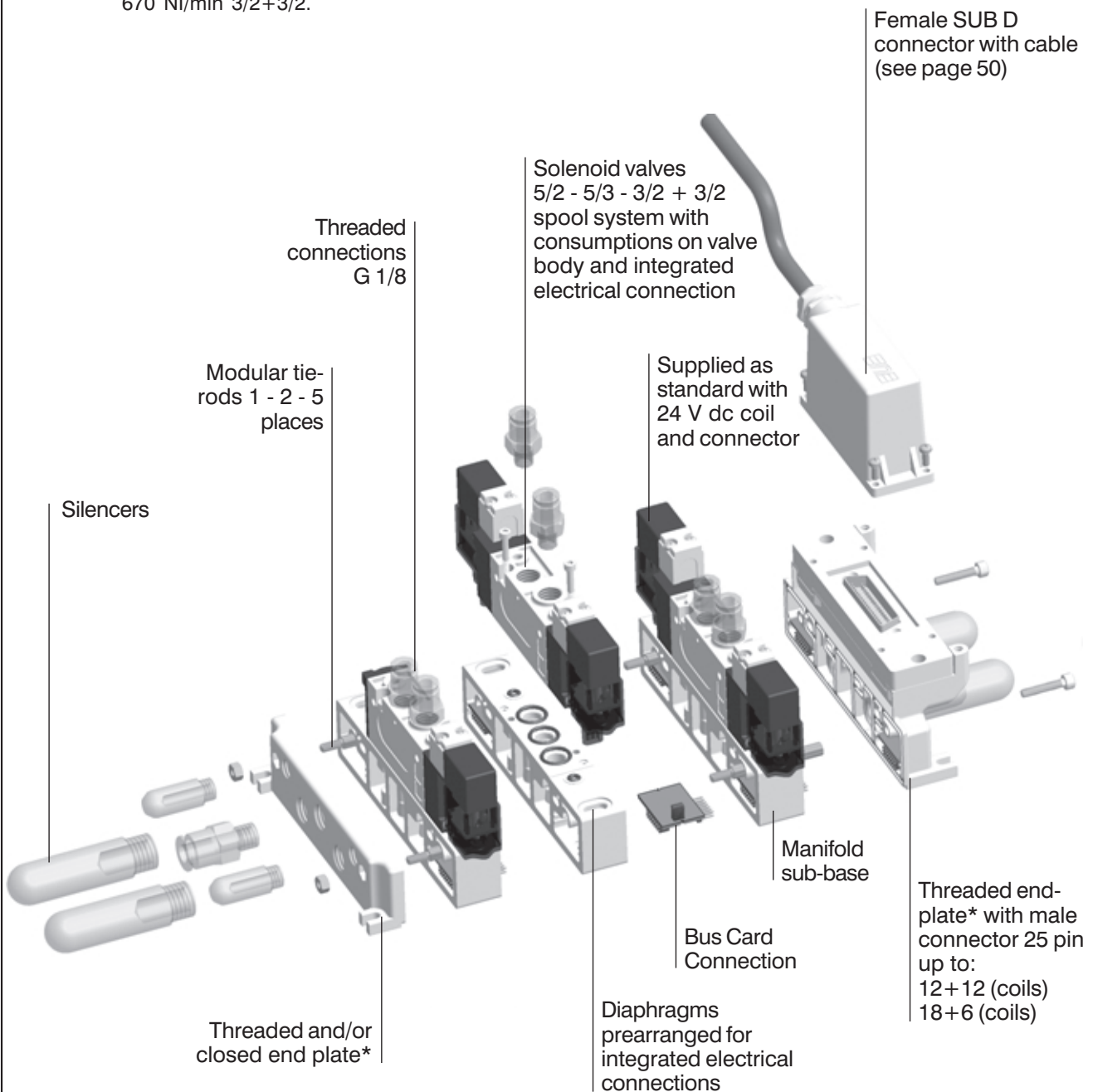
Coils: GH series: 24 Vdc-2 W standard;

12 Vdc-2,5 W upon request.

G series: see codification key on page 40.

Protection: IP65.

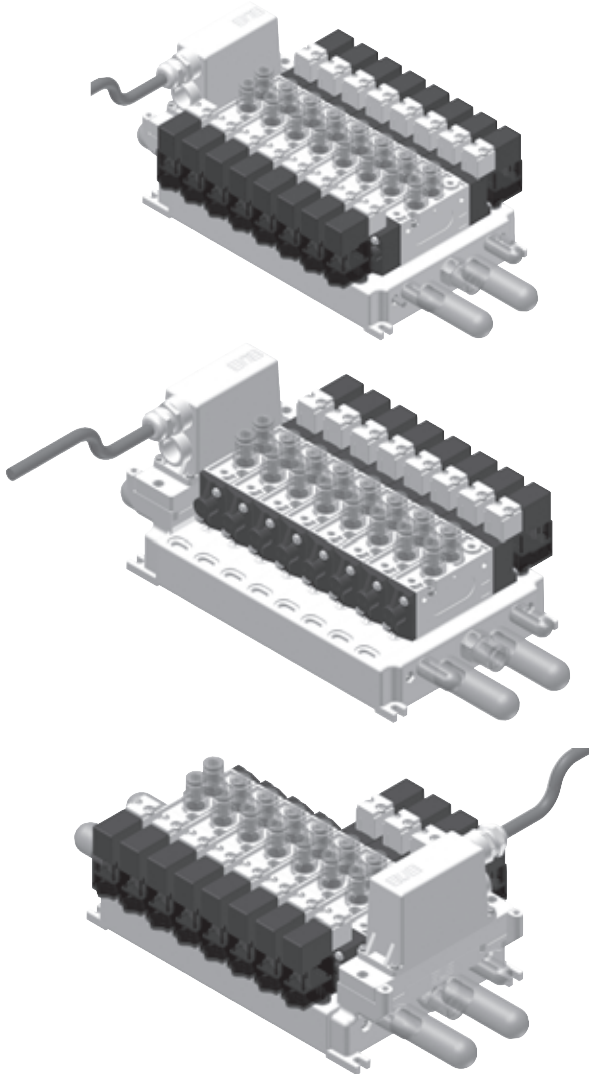
Manifold sub-base and end plates in self-extinguishing plastic IXEF.



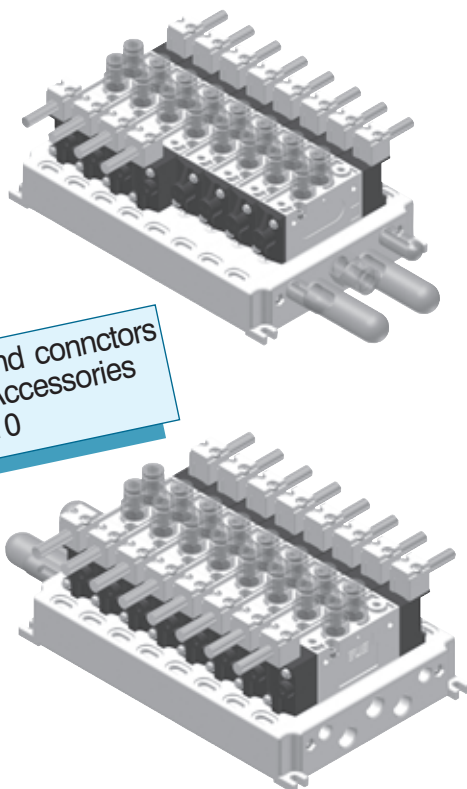
\* It is advisable to use fittings with cylindrical thread with tightening torque 3 Nm for G 1/8 and 10 Nm for G 1/4.



**GH series**

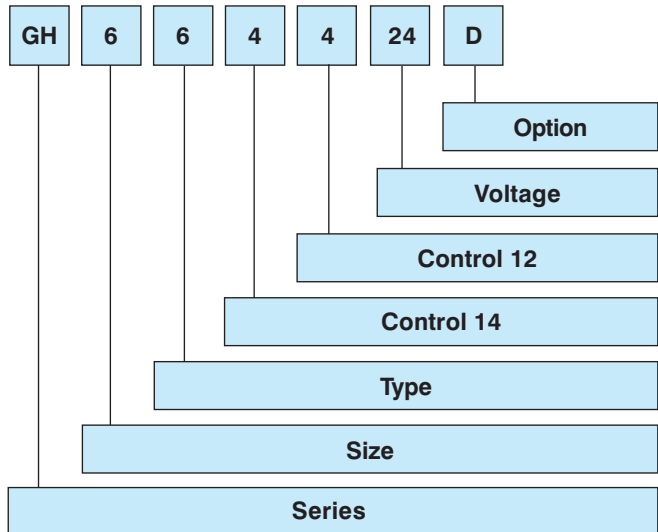


**G series**



Coils and connectors  
Sect. Accessories  
page 10

**Codification key**



**SERIES**

**GH** = Solenoid valve with G 1/8 consumptions on valve body with integrated electrical connection standard (coils and connectors included).

**G** = Valves and solenoid valves with G 1/8 consumption on valve body (coils and connectors to be ordered separately).

**SIZE**

**6** = Side 20 mm

**TYPE**

- 2** = 5/2
- 3** = 5/3 closed centres
- 4** = 5/3 open centres
- 5** = 5/3 pressurized centres
- 6** = 3/2+3/2 NC-NC
- 7** = 3/2+3/2 NC-NO
- 8** = 3/2+3/2 NO-NO

**CONTROL 14**

- 3** = pneumatic amplified (G series)
- 4** = electrical amplified only d.c. solenoid 15x15 (GH series)
- 5** = electrical amplified d.c. and a.c. solenoid 15x15 (G series)
- 6** = electrical amplified only d.c. solenoid 10x10 (G series)

**CONTROL 12**

- 0** = pneumomechanical spring
- 1** = mechanical spring
- 2** = pneumatic not amplified
- 3** = pneumatic amplified
- 4** = electrical amplified only d.c. solenoid 15x15 (GH series)
- 5** = electrical amplified d.c. and a.c. solenoid 15x15 (G series)
- 6** = electrical amplified only d.c. solenoid 10x10 (G series)
- 7** = electrical not amplified only d.c. solenoid 15x15 (GH series)
- 8** = electrical not amplified d.c. and a.c. solenoid 15x15 (G series)
- 9** = electrical not amplified only d.c. solenoid 10x10 (G series)

**VOLTAGE (excluded G series)**

- 24 Vdc (standard)
- 12 Vdc (upon request)

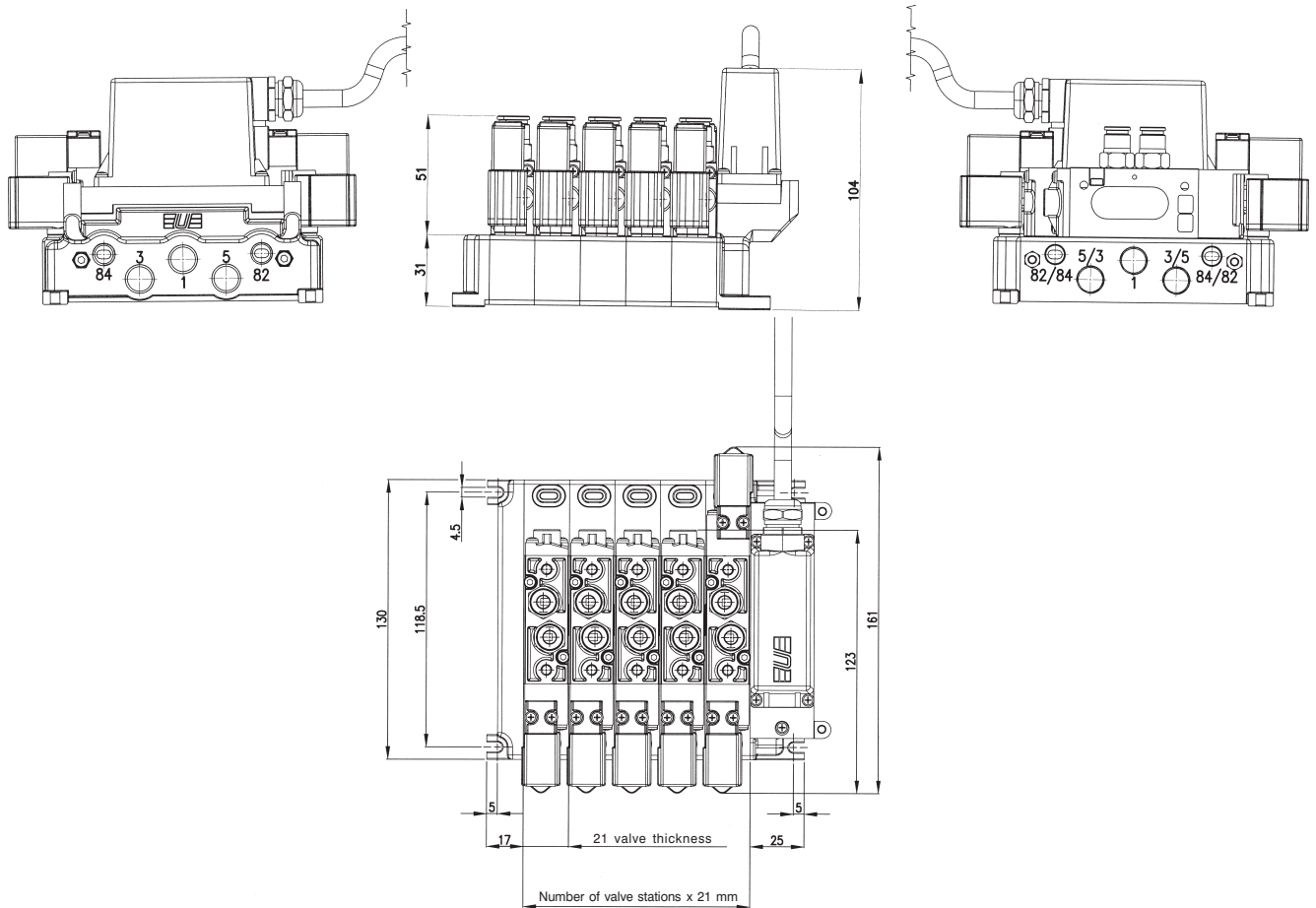
**OPTION**

**D** = external servoassistance of solenoid on the valve body.

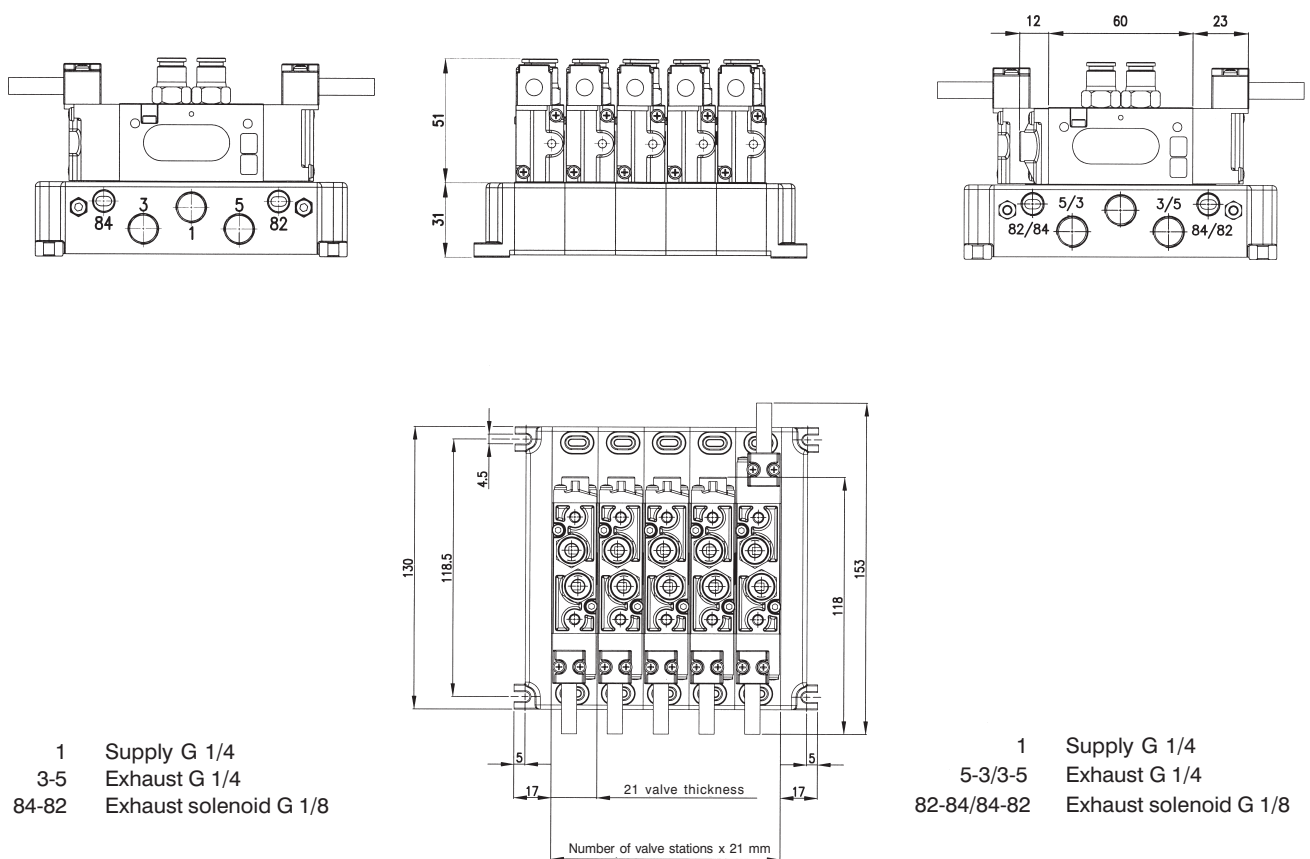
Symbol	Control		Ø mm	Flow NI/min.	Pressure bar (supply pipe Ø 6)	Time ms		Manual override	Mass kg	Part number	Ciols
	14	12				energ. 14-12	de-energ. 14-12				
<b>5/2 Single - double pneumatic impulse</b>											
	pneumatic amplified on body	pneumo-mechanical spring	5	770	1,5 ÷ 10	7	16	-	0,092	<b>G-6230</b>	-
	pneumatic amplified on body	mechanical spring	5	770	0,9 ÷ 10	6	18	-	0,092	<b>G-6231</b>	-
	pneumatic amplified on body	Pneum. amplified on body	5	770	0,7 ÷ 10	5	5	-	0,103	<b>G-6233</b>	-
<b>5/2 Single - double electric impulse</b>											
	electrical amplified	pneumo-mechanical spring	5	770	1,5 ÷ 9	21	30	↑	0,112	<b>G-6240</b>	DD-...
					1,5 ÷ 8	25	56	↑	0,092	<b>G-6260</b>	DE-...
					1,5 ÷ 9	21	30	↑	0,137	<b>GH-624024</b>	-
	electrical amplified	mechanical spring	5	770	1,5 ÷ 9	18	64	↑	0,112	<b>G-6241</b>	DD-...
					1,5 ÷ 8	22	90	↑	0,092	<b>G-6261</b>	DE-...
					1,5 ÷ 9	18	64	↑	0,137	<b>GH-624124</b>	-
	electrical amplified	electrical amplified	5	770	0,6 ÷ 9	16	16	↑	0,143	<b>G-6244</b>	DD-...
					1,5 ÷ 8	18	18	↑	0,123	<b>G-6266</b>	DE-...
					0,6 ÷ 9	16	16	↑	0,193	<b>GH-624424</b>	-
<b>5/3 Closed centres, open centres, pressurized centres</b>											
	<b>Closed centres</b>		5	700	1,5 ÷ 9	16	47	↑	0,148	<b>G-6344</b>	DD-...
	Electrical	Electrical			2,1 ÷ 8	20	65	↑	0,128	<b>G-6366</b>	DE-...
	<b>Open centres</b>		5	700	2,4 ÷ 9	16	47	↑	0,148	<b>G-6444</b>	DD-...
	Electrical	Electrical			2,0 ÷ 9 supply pipe Ø 8-10						
					2,4 ÷ 8	20	75	↑	0,128	<b>G-6466</b>	DE-...
					2,0 ÷ 8 supply pipe Ø 8-10						
					5	700	2,4 ÷ 9	16	47	↑	0,198
	2,0 ÷ 9 supply pipe Ø 8-10										
	<b>Pressurized centres</b>		5	700	1,5 ÷ 9	16	47	↑	0,148	<b>G-6544</b>	DD-...
	Electrical	Electrical			2,1 ÷ 8	20	75	↑	0,128	<b>G-6566</b>	DE-...
					1,5 ÷ 9	16	47	↑	0,198	<b>GH-654424</b>	-
<b>3/2 + 3/2 Amplified electrical control</b>											
	<b>3/2NC+3/2NC</b>		5	670	1,5 ÷ 9	14	17	↑	0,140	<b>G-6644</b>	DD-...
	Electrical	Electrical			1,5 ÷ 8	18	43	↑	0,122	<b>G-6666</b>	DE-...
					1,5 ÷ 9	14	17	↑	0,190	<b>GH-664424</b>	-
	<b>3/2NC+3/2NO</b>		5	670	1,5 ÷ 9	14	17	↑	0,140	<b>G-6744</b>	DD-...
	Electrical	Electrical			1,5 ÷ 8	18	43	↑	0,122	<b>G-6766</b>	DE-...
					1,5 ÷ 9	14	17	↑	0,190	<b>GH-674424</b>	-
	<b>3/2NO+3/2NO</b>		5	670	1,5 ÷ 9	14	17	↑	0,140	<b>G-6844</b>	DD-...
	Electrical	Electrical			1,5 ÷ 8	18	43	↑	0,122	<b>G-6866</b>	DE-...
					1,5 ÷ 9	14	17	↑	0,190	<b>GH-684424</b>	-
↑ = Impulse not protruding											



**GH... Series**



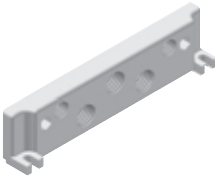
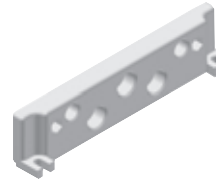
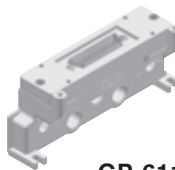
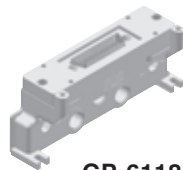
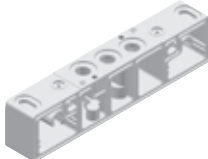
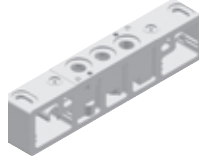
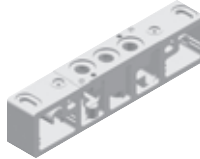
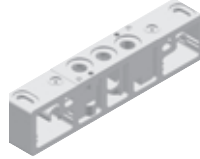
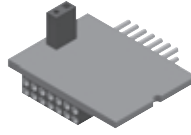
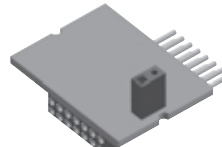
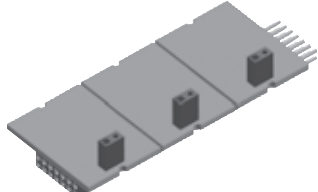



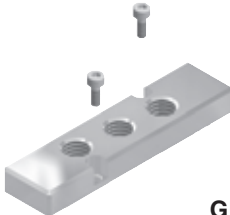

**G... Series**



- 1 Supply G 1/4
- 3-5 Exhaust G 1/4
- 84-82 Exhaust solenoid G 1/8

- 1 Supply G 1/4
- 5-3/3-5 Exhaust G 1/4
- 82-84/84-82 Exhaust solenoid G 1/8



<p><b>Threaded end plates</b> Mass kg. 0,046</p>  <p><b>GP-6100</b></p>	<p><b>Blank end plate</b> Mass kg. 0,050</p>  <p><b>GP-6110</b></p>	<p><b>End plate with male connector 25 poles (excluded G series)</b></p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="715 264 986 544"> <p>Mass kg. 0,100</p>  <p><b>GP-611212</b> 12+12 coils control 12-14</p> </div> <div data-bbox="1114 264 1422 544"> <p>Mass kg. 0,102</p>  <p><b>GP-611806</b> 18 (coils) control 14 6 (coils) control 12</p> </div> </div> <p style="text-align: right;">(only fol control 14 more than 12 coils max. 18)</p>	
<p><b>Sub-base with diaphragms all open</b> Mass kg. 0,060</p>  <p><b>GP-6310</b> without electrical connection prearranged for integrated electrical connection: <b>GP-6311</b> monostable <b>GP-6312</b> bistable</p>	<p><b>Sub-base with diaphragms all closed</b> Mass kg. 0,062</p>  <p><b>GP-6320</b> without electrical connection prearranged for integrated electrical connection: <b>GP-6321</b> monostable <b>GP-6322</b> bistable</p>	<p><b>Sub-base with supply closed and exhausts open</b> Mass kg. 0,062</p>  <p><b>GP-6330</b> without electrical connection prearranged for integrated electrical connection: <b>GP-6331</b> monostable <b>GP-6332</b> bistable</p>	<p><b>Sub-base with supply open and exhausts closed</b> Mass kg. 0,062</p>  <p><b>GP-6340</b> without electrical connection prearranged for integrated electrical connection: <b>GP-6341</b> monostable <b>GP-6342</b> bistable</p>
<p><b>BUS connection card (excluded G series) Mass kg. 0,003 for each place</b></p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="239 1198 430 1332">  <p>control side 12 with 12 pin <b>GP-6512-01 MF</b> (1 place) <b>GP-6512-02 MF</b> (2 places) <b>GP-6512-03 MF</b> (3 places) <b>GP-6512-05 MF</b> (5 places) <b>GP-6512-06 MF</b> (6 places)</p> </div> <div data-bbox="678 1187 901 1332">  <p>control side 14 with 12 pin <b>GP-6514-01 MF</b> (1 place) <b>GP-6514-02 MF</b> (2 places) <b>GP-6514-03 MF</b> (3 places) <b>GP-6514-05 MF</b> (5 places) <b>GP-6514-06 MF</b> (6 places)</p> </div> <div data-bbox="1077 1142 1396 1332">  <p>control side 14 with 18 pin <b>GP-651418</b> (only 12 places)</p> <p>For manifold assemblies with control 14 with more than 12 coils up to 18 coils use card GP-651418 and then GP-6514-...</p> </div> </div> <p>A richiesta soluzioni personalizzate fino a 12 posti</p>			
<p><b>Modular tie-rods (package 100 pcs.)</b></p> <div style="display: flex; justify-content: space-around;"> <div data-bbox="135 1668 399 1758"> <p><b>GP-6400-1</b> 1 valve places Mass kg. 0,004</p>  </div> <div data-bbox="542 1668 845 1758"> <p><b>GP-6400-2</b> 2 valve places Mass kg. 0,010</p>  </div> <div data-bbox="997 1668 1444 1803"> <p><b>GP-6400-5</b> 5 valve place Mass kg. 0,022</p>  </div> </div> <p><b>AZ4-VN0416</b> screw M04x16 for tie-rods package 100 pcs. <b>AZ4-SN004A</b> hexagonal nut M4 package 100 pcs.</p>			
<p><b>Intermediate supply plate</b> Mass kg. 0,036</p>  <p><b>GP-6380</b></p> <p>To be used only with sub-bases GP-63...</p>	<p><b>Closing plate for unused station</b> Mass kg. 0,018</p>  <p><b>GP-6385</b></p>		

