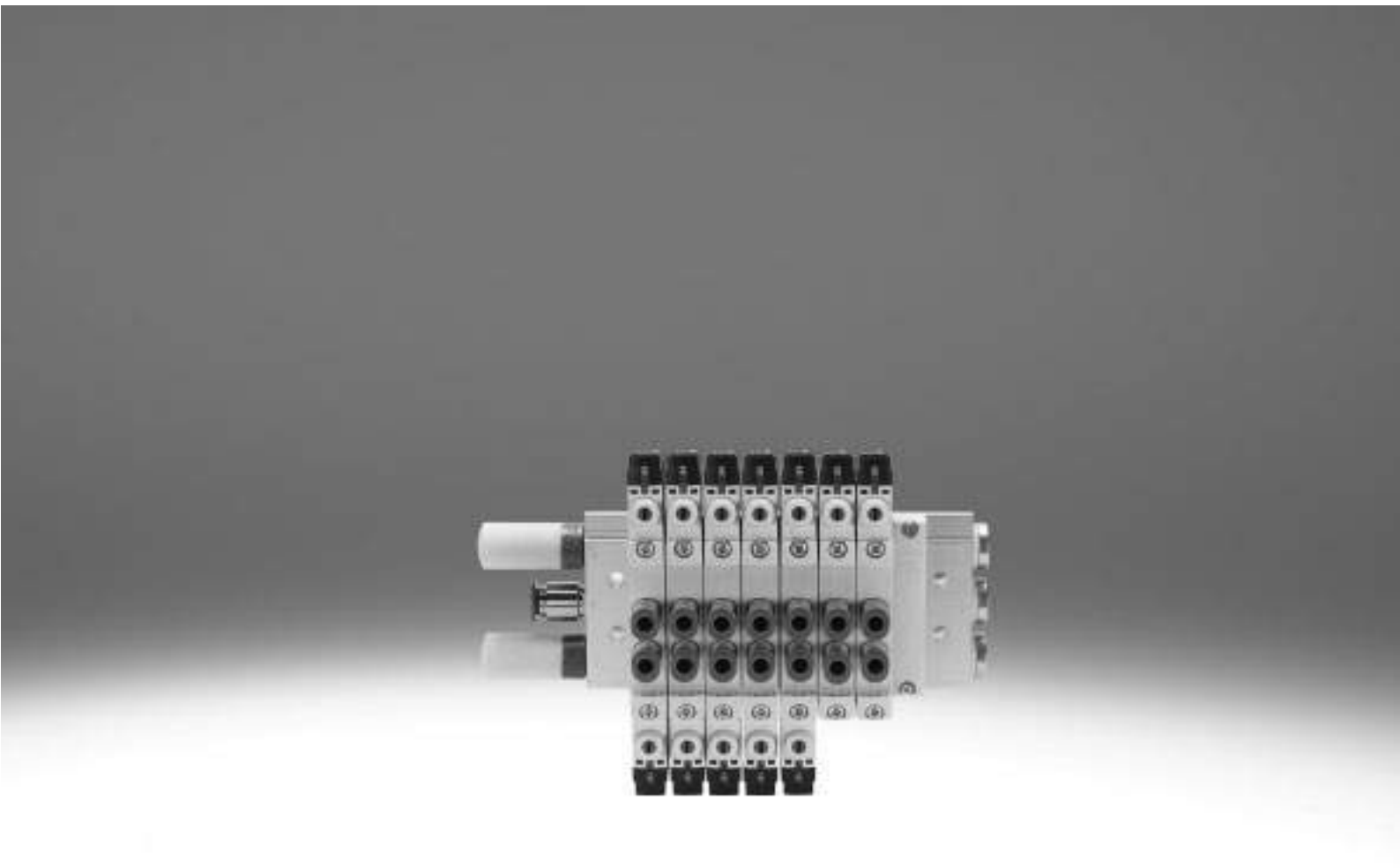
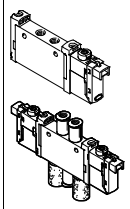
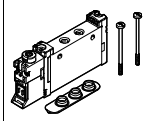
Solenoid valves VUVG

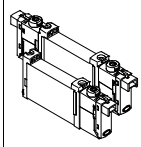
FESTO

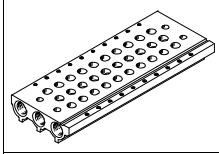
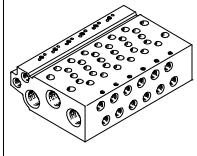


Solenoid valves VUVG

Product range overview

Design	Working port	Type code	Functions and flow rate [l/min]												➔ Page/ Internet
			T32C	T32U	T32H	T32C/M	T32U/M	T32H/M	M52	M52/M	B52	P53C	P53U	P53E	
In-line valve as individual valve, solenoid valve VUVG-L															
	M3	10A	–	–	–	–	–	–	■ 100	■ 80	■ 100	■ 90	■ 90	■ 90	17
	M5	10	■ 150	■ 150	■ 150	■ 135	■ 125	■ 125	■ 220	■ 190	■ 220	■ 210	■ 210	■ 210	25
	M7	10	■ 190	■ 190	■ 190	■ 150	■ 140	■ 140	■ 380	■ 320	■ 380	■ 320	■ 320	■ 320	29
	G1⁄8	14	■ 650	■ 600	■ 650	■ 550	■ 500	■ 500	■ 780	■ 780	■ 780	■ 650	■ 600	■ 600	37
	G1⁄4	18	■ 1000	■ 1000	■ 1000	■ 1000	■ 1000	■ 1000	■ 1300	■ 1300	■ 1380	■ 1200	■ 1000	■ 1000	45
In-line valve for manifold assembly, solenoid valve VUVG-S															
	M3	10A	–	–	–	–	–	–	■ 100	■ 80	■ 100	■ 90	■ 90	■ 90	17
	M5	10	■ 150	■ 150	■ 150	■ 135	■ 125	■ 125	■ 220	■ 190	■ 220	■ 210	■ 210	■ 210	25
	M7	10	■ 170	■ 170	■ 170	■ 140	■ 130	■ 130	■ 340	■ 290	■ 340	■ 300	■ 300	■ 300	29
	G1⁄8	14	■ 620	■ 580	■ 580	■ 520	■ 480	■ 480	■ 730	■ 730	■ 730	■ 620	■ 580	■ 580	37
	G1⁄4	18	■ 1000	■ 1000	■ 1000	■ 1000	■ 1000	■ 1000	■ 1300	■ 1300	■ 1380	■ 1200	■ 1000	■ 1000	45

Design	Working port	Type code	Functions and flow rate [l/min]												➔ Page/ Internet
			T32C	T32U	T32H	T32C/M	T32U/M	T32H/M	M52	M52/M	B52	P53C	P53U	P53E	
Sub-base valve, solenoid valve VUVG-B															
	M5	10A	–	–	–	–	–	–	■ 100	■ 80	■ 100	■ 90	■ 90	■ 90	53
	M5	10	■ 150	■ 150	■ 150	■ 130	■ 120	■ 120	■ 210	■ 180	■ 210	■ 200	■ 200	■ 200	60
	M7	10	■ 160	■ 160	■ 160	■ 140	■ 130	■ 130	■ 270	■ 230	■ 270	■ 250	■ 250	■ 250	60
	G1⁄8	14	■ 540	■ 510	■ 540	■ 430	■ 410	■ 410	■ 580	■ 580	■ 580	■ 540	■ 510	■ 510	67
	G1⁄4	18	■ 800	■ 800	■ 800	■ 800	■ 800	■ 800	■ 1000	■ 1000	■ 1000	■ 950	■ 950	■ 950	74

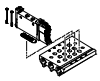
Design	Type code	Description	➔ Page/ Internet
Manifold rail VABM- ... -S- ..., for in-line valves (manifold assembly)			
	10AS	Valve size M3	vabm
	10S	Valve size M5, M7	
	14S	Valve size G1⁄8	
	18S	Valve size G1⁄4	
Manifold rail VABM, for sub-base valves			
	10AW	Connection size M3	vabm
	10W	Connection size M5	
	10HW	Connection size M7	
	14W	Connection size G1⁄8	
	18W	Connection size G1⁄4	

Solenoid valves VUVG-L10A and VUVG-S10A, in-line valves

Order code – In-line valves M3

VUVG	–		10A	–		–					–		–				L	–	

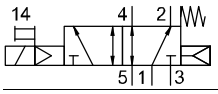
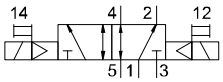
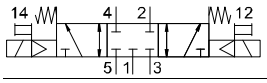
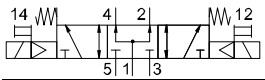
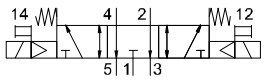
Valve design

 In-line, individual valve	**L**
 In-line, manifold valve incl. seal and screws	**S**

Width

10 mm	**10A**

Valve functions

	**M52**
	**B52**
	**P53C**
	**P53U**
	**P53E**

Reset method

Mechanical spring with M52	**M**
Pneumatic/mechanical spring with M52	**R**
With B52 and P53	–

Pilot air supply

Internal	**–**
External	**Z**

Manual override

Non-detenting	**H**
Covered	**S**
– Non-detenting, detenting	**T**
Detenting, without accessories	**Y**

Connecting cables

W1…4	Not sheathed	for H
C1…4	Sheathed	
WS1…4	Not sheathed	for S
S1…4	Sheathed	
N1…4	M8x1, 3-pin	
N5…8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

E-box

H2	Connection pattern H, horizontal plug connector
H3	Connection pattern H, vertical plug connector
S2	Connection pattern S, horizontal plug connector
K3	Connection pattern S, vertical plug connector
L1…4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m
K6…9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m
R1	Individual plug connector M8, 4-pin
R8	Individual plug connector M8, 3-pin
P3	Without E-box

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Exhausting with VUVG-L

QN	Push-in fitting
U	Silencer
–	M3 thread

Pneumatic connection

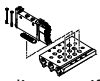
M3	M3 thread
T18	Push-in connector 1/8"
T532	Push-in connector 5/32"
Q3	Push-in connector 3 mm/M3
Q4	Push-in connector 4 mm/M3

Solenoid valves VUVG-L10 and VUVG-S10, in-line valves

Order code – In-line valves M5/M7

VUVG	–		10	–		–				–		–				L	–		

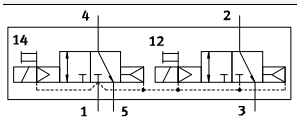
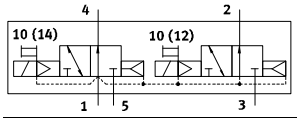
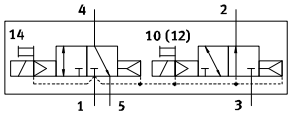
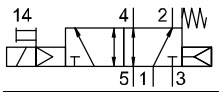
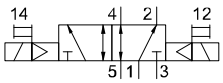
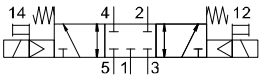
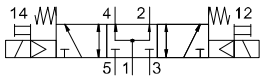
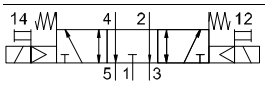
Valve design

 In-line, individual valve	**L**
 In-line, manifold valve incl. seal and screws	**S**

Width

10 mm	**10**

Valve functions

	**T32C**
	**T32U**
	**T32H**
	**M52**
	**B52**
	**P53C**
	**P53U**
	**P53E**

Reset method

Pneumatic spring with T32 and M52	**A**
Mechanical spring with T32 and M52	**M**
Pneu./mech. spring with M52	**R**
With B52 and P53	**–**

Pilot air supply

Internal	**–**
External	**Z**

Manual override

Non-detenting	**H**
Covered	**S**
– Non-detenting, detenting	**T**
Detenting, without accessories	**Y**

Connecting cables

W1...4	Not sheathed	for H
C1...4	Sheathed	
WS1...4	Not sheathed	for S
S1...4	Sheathed	
N1...4	M8x1, 3-pin	
N5...8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

E-box

H2	Connection pattern H, horizontal plug connector
H3	Connection pattern H, vertical plug connector
S2	Connection pattern S, horizontal plug connector
K3	Connection pattern S, vertical plug connector
L1...4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m
K6...9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m
R1	Individual plug connector M8, 4-pin
R8	Individual plug connector M8, 3-pin
P3	Without E-box

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Exhausting with VUVG-L

QN	Push-in fitting
U	Silencer
–	M5/M7 thread

Pneumatic connection

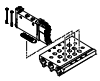
M5	M5 thread
M7	M7 thread
Q3	Push-in connector 3 mm/M5
Q4	Push-in connector 4 mm/M5
Q4H	Push-in connector 4 mm/M7
Q6	Push-in connector 6 mm/M5
Q6H	Push-in connector 6 mm/M7
T18	Push-in connector 1/8"
T532	Push-in connector 5/32"
T316	Push-in connector 3/16"
T316H	Push-in connector 3/16", M7
T14	Push-in connector 1/4"
T14H	Push-in connector 1/4", M7

Solenoid valves VUVG-L14 and VUVG-S14, in-line valves

Order code – In-line valves G1/8

VUVG	–		14	–		–					–					L	–	

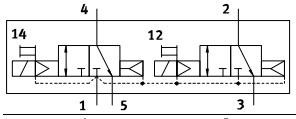
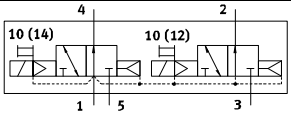
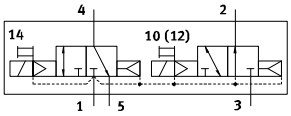
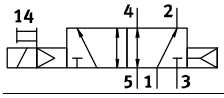
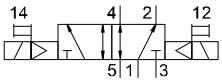
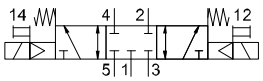
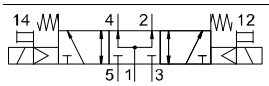
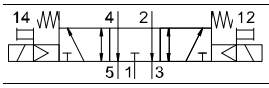
Valve design

 In-line, individual valve	**L**
 In-line, manifold valve incl. seal and screws	**S**

Width

14 mm	**14**

Valve functions

	**T32C**
	**T32U**
	**T32H**
	**M52**
	**B52**
	**P53C**
	**P53U**
	**P53E**

Reset method

Pneumatic spring with T32 and M52	**A**
Mechanical spring with T32 and M52	**M**
With B52 and P53	**–**

Pilot air supply

Internal	**–**
External	**Z**

Manual override

Non-detenting	**H**
Covered	**S**
– Non-detenting, detenting	**T**
Detenting, without accessories	**Y**

Connecting cables

W1...4	Not sheathed	for H
C1...4	Sheathed	
WS1...4	Not sheathed	for S
S1...4	Sheathed	
N1...4	M8x1, 3-pin	
N5...8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

E-box

H2	Connection pattern H, horizontal plug connector
H3	Connection pattern H, vertical plug connector
S2	Connection pattern S, horizontal plug connector
K3	Connection pattern S, vertical plug connector
L1...4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m
K6...9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m
R1	Individual plug connector M8, 4-pin
R8	Individual plug connector M8, 3-pin
P3	Without E-box

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Exhausting with VUVG-L

QN	Push-in fitting
U	Silencer
–	G1/8 thread

Pneumatic connection

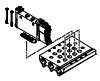
G18	G1/8 thread
T14	Push-in connector 1/4"
T516	Push-in connector 5/16"
Q4	Push-in connector 4 mm/G1/8
Q6	Push-in connector 6 mm/G1/8
Q8	Push-in connector 8 mm/G1/8

Solenoid valves VUVG-L18 and VUVG-S18, in-line valves G1/4

Order code – In-line valves G1/4

VUVG	–		18	–		–					–		–				L	–	

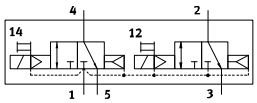
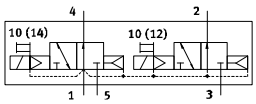
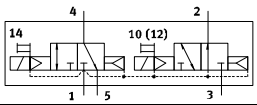
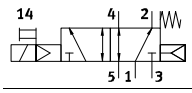
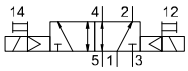
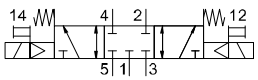
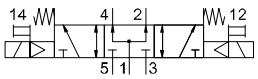
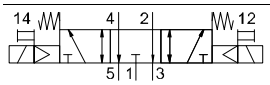
Valve design

 In-line, individual valve	L
 In-line, manifold valve incl. seal and screws	S

Width

18 mm	18

Valve functions

	T32C
	T32U
	T32H
	M52
	B52
	P53C
	P53U
	P53E

Reset method

Pneumatic spring with T32 and M52	A
Mechanical spring with T32 and M52	M
Pneu./mech. spring with M52	R
With B52 and P53	–

Pilot air supply

Internal	–
External	Z

Manual override

Non-detenting	H
Covered	S
– Non-detenting, detenting	T
Detenting, without accessories	Y

Connecting cables

W1...4	Not sheathed	for H
C1...4	Sheathed	
WS1...4	Not sheathed	for S
S1...4	Sheathed	
N1...4	M8x1, 3-pin	
N5...8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

E-box

H2	Connection pattern H, horizontal plug connector
H3	Connection pattern H, vertical plug connector
S2	Connection pattern S, horizontal plug connector
K3	Connection pattern S, vertical plug connector
L1...4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m
K6...9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m
R1	Individual plug connector M8, 4-pin
R8	Individual plug connector M8, 3-pin
P3	Without E-box

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Exhausting with VUVG-L

QN	Push-in fitting
U	Silencer
–	G1/4 thread

Pneumatic connection

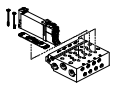
G14	G1/4 thread
Q6	Push-in connector 6 mm/G1/4
Q8	Push-in connector 8 mm/G1/4
Q10	Push-in connector 10 mm/G1/4
T14	Push-in connector 1/4"
T38	Push-in connector 3/8"
T516	Push-in connector 5/16"

Solenoid valves VUVG-B10A, sub-base valves

Order code – Sub-base valves M3

VUVG	–	B	10A	–		–		Z	

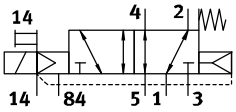
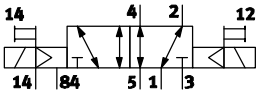
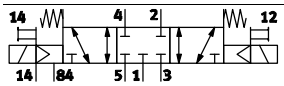
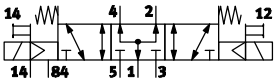
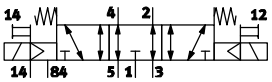
Valve design

 Sub-base, manifold valve incl. seal and screws	**B**

Width

10 mm	**10 A**

Valve functions

	**M52**
	**B52**
	**P53C**
	**P53U**
	**P53E**

Reset method

Mech. spring with M52	**M**
Pneu./mech. spring with M52	**R**
With B52 and P53	**–**

Pilot air supply

External	**Z**

Manual override

Non-detenting	**H**
Covered	**S**
– Non-detenting, detenting	**T**
Detenting, without accessories	**Y**

F	–				L	–		

Connecting cables

W1…4	Not sheathed	 for H
C1…4	Sheathed	
WS1…4	Not sheathed	 for S
S1…4	Sheathed	
N1…4	M8x1, 3-pin	
N5…8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

E-box

H2	Connection pattern H, horizontal plug connector	
H3	Connection pattern H, vertical plug connector	
S2	Connection pattern S, horizontal plug connector	
K3	Connection pattern S, vertical plug connector	
L1…4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m	
K6…9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m	
R1	Individual plug connector M8, 4-pin	
R8	Individual plug connector M8, 3-pin	
P3	Without E-box	

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Pneumatic connection

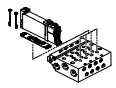
F	In the manifold rail

Solenoid valves VUVG-B10, sub-base valves

Order code – Sub-base valves M5/M7

VUVG	–	B	10	–		–		Z	

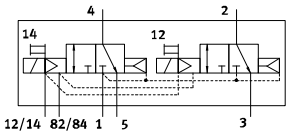
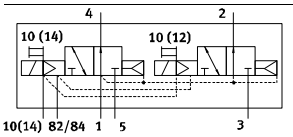
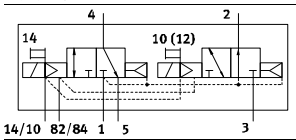
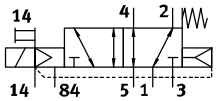
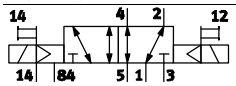
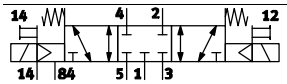
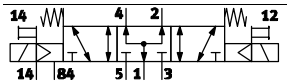
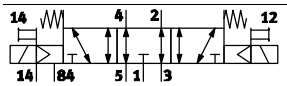
Valve design

 Sub-base, manifold valve incl. seal and screws	B

Width

10 mm	10

Valve functions

	T32C
	T32U
	T32H
	M52
	B52
	P53C
	P53U
	P53E

Reset method

Pneumatic spring with T32 and M52	A
Mechanical spring with T32 and M52	M
Pneu./mech. spring with M52	R
With B52 and P53	–

Pilot air supply

External	Z

Manual override

Non-detenting	H
Covered	S
– Non-detenting, detenting	T
Detenting, without accessories	Y

F	–				L	–		

Connecting cables

W1…4	Not sheathed	 for H
C1…4	Sheathed	
WS1…4	Not sheathed	 for S
S1…4	Sheathed	
N1…4	M8x1, 3-pin	
N5…8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

Connecting plate

H2	Connection pattern H, horizontal plug connector	
H3	Connection pattern H, vertical plug connector	
S2	Connection pattern S, horizontal plug connector	
K3	Connection pattern S, vertical plug connector	
L1…4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m	
K6…9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m	
R1	Individual plug connector M8, 4-pin	
R8	Individual plug connector M8, 3-pin	
P3	Without E-box	

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Pneumatic connection

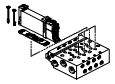
F	In the manifold rail

Solenoid valves VUVG-B14, sub-base valves

Order code – Sub-base valves G1/8

VUVG	–	B	14	–		–		Z	

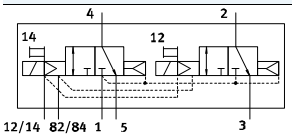
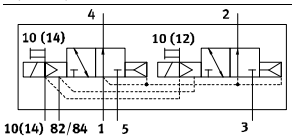
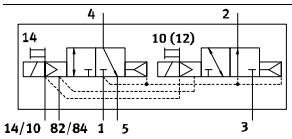
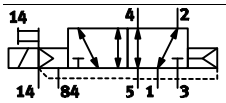
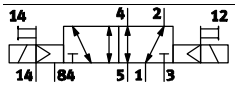
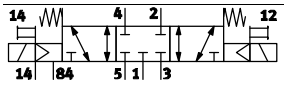
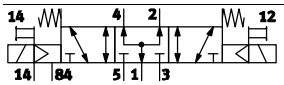
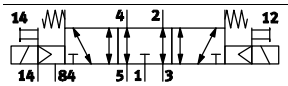
Valve design

 Sub-base, manifold valve incl. seal and screws	**B**

Width

14 mm	**14**

Valve functions

	**T32C**
	**T32U**
	**T32H**
	**M52**
	**B52**
	**P53C**
	**P53U**
	**P53E**

Reset method

Pneumatic spring with T32 and M52	**A**
Mechanical spring with T32 and M52	**M**
With B52 and P53	**–**

Pilot air supply

External	**Z**

Manual override

	Non-detenting	**H**
	Covered	**S**
–	Non-detenting, detenting	**T**
	Detenting, without accessories	**Y**

F	–				L	–	

Connecting cables

W1...4	Not sheathed	 for H
C1...4	Sheathed	
WS1...4	Not sheathed	 for S
S1...4	Sheathed	
N1...4	M8x1, 3-pin	
N5...8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

E-box

H2	Connection pattern H, horizontal plug connector	
H3	Connection pattern H, vertical plug connector	
S2	Connection pattern S, horizontal plug connector	
K3	Connection pattern S, vertical plug connector	
L1...4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m	
K6...9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m	
R1	Individual plug connector M8, 4-pin	
R8	Individual plug connector M8, 3-pin	
P3	Without E-box	

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Pneumatic connection

F	In the manifold rail

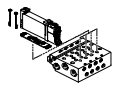
Solenoid valves VUVG-B18, sub-base valves

FESTO

Order code – Sub-base valves G¼

VUVG	–	B	18	–		–		Z		F	–				L	–	

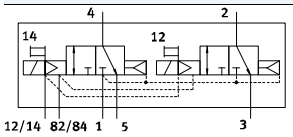
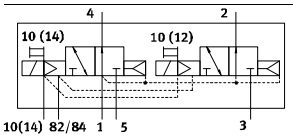
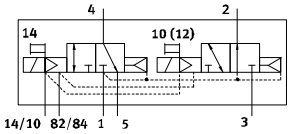
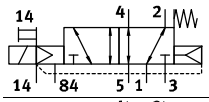
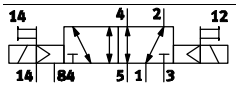
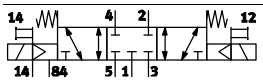
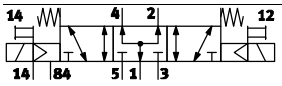
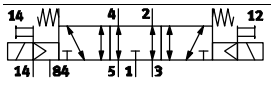
Valve design

 Sub-base, manifold valve incl. seal and screws	B

Width

18 mm	18

Valve functions

	T32C
	T32U
	T32H
	M52
	B52
	P53C
	P53U
	P53E

Reset method

Pneumatic spring with T32 and M52	A
Mechanical spring with T32 and M52	M
Pneu./mech. spring with M52	R
With B52 and P53	–

Pilot air supply

External	Z

Manual override

Non-detenting	H
Covered	S
– Non-detenting, detenting	T
Detenting, without accessories	Y

Connecting cables

W1...4	Not sheathed	 for H
C1...4	Sheathed	
WS1...4	Not sheathed	 for S
S1...4	Sheathed	
N1...4	M8x1, 3-pin	
N5...8	M8x1, 4-pin	

Display

L	LED

Protective circuit

–	Without holding current reduction (HCR)
R	With holding current reduction (HCR)

E-box

H2	Connection pattern H, horizontal plug connector	
H3	Connection pattern H, vertical plug connector	
S2	Connection pattern S, horizontal plug connector	
K3	Connection pattern S, vertical plug connector	
L1...4	With 2x flying leads L: 1 = 0.5 m, 2 = 1 m, 3 = 2.5 m, 4 = 5 m	
K6...9	Cable: K6 = 0.5 m, K7 = 1 m, K8 = 2.5 m, K9 = 5 m	
R1	Individual plug connector M8, 4-pin	
R8	Individual plug connector M8, 3-pin	
P3	Without E-box	

Operating voltage

1	24 V DC
5	12 V DC
4	5 V DC

Pneumatic connection

F	In the manifold rail