

- > **Port size: 1/8" ... 1/2" (ISO G/NPT)**
- > **High flow rate at small size**
- > **Proven sealing system, maintenance-free**
- > **Different manual override options available**
- > **Low power consumption**
- > **Manifold system for easy assembly**
- > **Different pressure ranges possible**



Technical features

Medium:

Compressed air, filtered lubricated or non lubricated

Operation:

Electromagnetically or pneumatically controlled

Operating pressure:

-0,9 ... 10 bar (-13 ... 145 psi)
Details see following pages

Flow:

500 ... 4500 l/min

Flow direction:

Internal pilot supply: fixed
External pilot supply: optional

Port size:

G1/8, G1/4, G3/8 or G1/2
For valves with NPT ports see option selector

Mounting position:

Optional, spring return valves, preferably horizontal

Ambient/Media temperature:

-10 ... +50°C (+14 ... +122°F)
Air supply must be dry enough to avoid ice formation at temperatures below +2°C (+35°F).

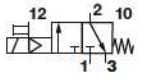
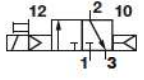
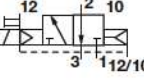
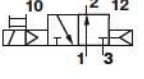
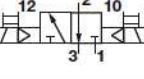
Materials:

Housing:
V60 ... V62 - Die-cast aluminium alloy
V63 - Aluminium bar stock
Base plate: Aluminium
Static and dynamic seals:
NBR and FPM
Plastic parts: PA, PBT with GF

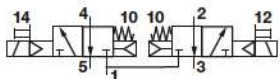
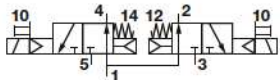
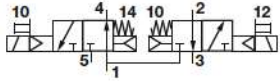
Electrical details for solenoid operators

| | | |
|--|---|-------|
| Voltage tolerance | ± 10% | |
| Rating | 100% continuous duty | |
| Inlet orifice | 0,8 mm | |
| Electrical connection (corresponding to choosen coil) | EN 175301-803 - Form B, 22 mm Industrial Standard, 22 mm | |
| Solenoid | 4 x 90° rotatable | |
| Manual override | Without | # = 1 |
| | Push and turn to lock | # = 2 |
| | Push only (not lockable) | # = 3 |
| Protection class | IP 65 (with sealed plug) | |

3/2 directional control valves, solenoid actuated

| Symbol | Port size | Function | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|---|-----------|----------|---------------------|--------------|--------------|--------------------------|----------------------|-------------|-------------|--------------|
|  | G1/8 | NC | Solenoid/spring | Internal | 750 | 2 ... 10 | – | 0,22 | 1 | V60A417A-A#* |
| | G1/4 | NC | Solenoid/spring | Internal | 1300 | 2 ... 10 | – | 0,29 | 1 | V61B417A-A#* |
| | G3/8 | NC | Solenoid/spring | Internal | 2600 | 2 ... 10 | – | 0,52 | 1 | V62C417A-A#* |
| | G1/2 | NC | Solenoid/spring | Internal | 4500 | 2 ... 10 | – | 0,78 | 2 | V63D417A-A#* |
|  | G1/8 | NC | Solenoid/air spring | Internal | 750 | 2 ... 10 | – | 0,22 | 3 | V60A413A-A#* |
| | G1/4 | NC | Solenoid/air spring | Internal | 1300 | 2 ... 10 | – | 0,29 | 3 | V61B413A-A#* |
| | G3/8 | NC | Solenoid/air spring | Internal | 2600 | 2 ... 10 | – | 0,52 | 3 | V62C413A-A#* |
| | G1/2 | NC | Solenoid/air spring | Internal | 4500 | 3 ... 10 | – | 0,78 | 4 | V63D413A-A#* |
|  | G1/8 | NC | Solenoid/air spring | External | 750 | -0,9 ... 10 | 3 ... 10 | 0,22 | 3 | V60A423A-A#* |
| | G1/4 | NC | Solenoid/air spring | External | 1300 | -0,9 ... 10 | 3 ... 10 | 0,29 | 3 | V61B423A-A#* |
| | G3/8 | NC | Solenoid/air spring | External | 2600 | -0,9 ... 10 | 3 ... 10 | 0,52 | 3 | V62C423A-A#* |
| | G1/2 | NC | Solenoid/air spring | External | 4500 | -0,9 ... 10 | 3 ... 10 | 0,78 | 4 | V63D423A-A#* |
|  | G1/8 | NO | Solenoid/air spring | Internal | 750 | 2 ... 10 | – | 0,22 | 5 | V60A313A-A#* |
| | G1/4 | NO | Solenoid/air spring | Internal | 1300 | 2 ... 10 | – | 0,29 | 5 | V61B313A-A#* |
| | G3/8 | NO | Solenoid/air spring | Internal | 2600 | 2 ... 10 | – | 0,52 | 5 | V62C313A-A#* |
| | G1/2 | NO | Solenoid/air spring | Internal | 4500 | 3 ... 10 | – | 0,78 | 6 | V63D313A-A#* |
|  | G1/8 | NC | Solenoid/Solenoid | Internal | 750 | 1,5 ... 10 | – | 0,30 | 7 | V60A411A-A#* |
| | G1/4 | NC | Solenoid/Solenoid | Internal | 1300 | 1,5 ... 10 | – | 0,38 | 7 | V61B411A-A#* |
| | G3/8 | NC | Solenoid/Solenoid | Internal | 2600 | 1,5 ... 10 | – | 0,61 | 7 | V62C411A-A#* |
| | G1/2 | NC | Solenoid/Solenoid | Internal | 4500 | 2 ... 10 | – | 0,87 | 8 | V63D411A-A#* |


2 x 3/2 directional control valves, solenoid actuated


| Symbol | Port size | Function | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|--|-----------|----------|-------------------|--------------|--------------|--------------------------|-------------|-------------|--------------|
|  | G1/8 | NC/NC | Solenoid/Solenoid | Internal | 500 | 2 ... 10 | 0,34 | 13 | V60AA11A-A#* |
| | G1/4 | NC/NC | Solenoid/Solenoid | Internal | 950 | 2 ... 10 | 0,43 | 13 | V61BA11A-A#* |
| | G3/8 | NC/NC | Solenoid/Solenoid | Internal | 1900 | 2 ... 10 | 0,73 | 13 | V62CA11A-A#* |
|  | G1/8 | NO/NO | Solenoid/Solenoid | Internal | 500 | 2 ... 10 | 0,34 | 13 | V60AB11A-A#* |
| | G1/4 | NO/NO | Solenoid/Solenoid | Internal | 950 | 2 ... 10 | 0,43 | 13 | V61BB11A-A#* |
| | G3/8 | NO/NO | Solenoid/Solenoid | Internal | 1900 | 2 ... 10 | 0,73 | 13 | V62CB11A-A#* |
|  | G1/8 | NO/NC | Solenoid/Solenoid | Internal | 500 | 2 ... 10 | 0,34 | 13 | V60AC11A-A#* |
| | G1/4 | NO/NC | Solenoid/Solenoid | Internal | 950 | 2 ... 10 | 0,43 | 13 | V61BC11A-A#* |
| | G3/8 | NO/NC | Solenoid/Solenoid | Internal | 1900 | 2 ... 10 | 0,73 | 13 | V62CC11A-A#* |

Insert code for manual override: 1 = without; 2 = push and turn, 3 = push only
*1) Insert voltage code from table below or 000 for version without solenoid

NC Normally closed
NO = Normally open
NC/NC = Both valves normally closed (port P)
NO/NO = Both valves normally open (port P)
NO/NC = 1 valve normally open, 1 valve normally closed (port P)

Voltage codes and spare coils

| 22 mm coil for connector interface acc. to industrial standard | | | | |
|--|--------------------|-------------------|--------------|------|
| | Voltage | Power Inrush/Hold | Model | Code |
|  | 12 V d.c. | 2 W | QM/48/12J/21 | 12J |
| | 24 V d.c. | 2 W | QM/48/13J/21 | 13J |
| | 24 V 50/60 Hz | 4/2,5 VA | QM/48/14J/21 | 14J |
| | 110/120 V 50/60 Hz | 4/2,5 VA | QM/48/18J/21 | 18J |
| | 220/240 V 50/60 Hz | 6/5,0 VA | QM/48/19J/21 | 19J |

| 22 mm coil for connector interface acc. EN 175 301-803, form B | | | | |
|--|--------------------|-------------------|-------------|------|
| | Voltage | Power Inrush/Hold | Model | Code |
|  | 12 V d.c. | 2 W | V10626-A12L | 12L |
| | 24 V d.c. | 2 W | V10626-A13L | 13L |
| | 24 V 50/60 Hz | 4/2,5 VA | V10626-A14L | 14L |
| | 110/120 V 50/60 Hz | 4/2,5 VA | V10626-A18L | 18L |
| | 220/240 V 50/60 Hz | 6/5,0 VA | V10626-A19L | 19L |

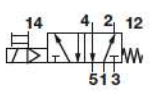
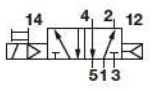
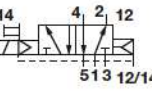
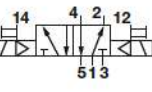
Other voltage on request.

Connector plugs - ordered separately

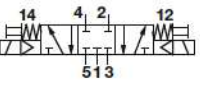
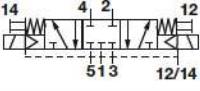
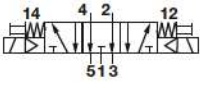
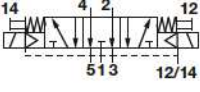
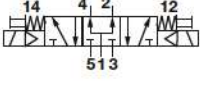
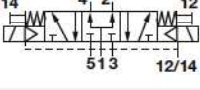
| Industrial standard 22 mm 2-pole + PE | 22 mm, EN 175301-803 (DIN 43650 B) Form B 2-pole + PE |
|---|---|
|  |  |
| 0657868 12...250 V a.c./d.c. | 0680003 12...250 V a.c./d.c. |
| 0680000 15...30 V DC; LED, surge suppression | 0664811 15...30 V DC; LED, surge suppression |
| 0680001 150...250 V a.c.; glim lamp | 0664812 150...250 V a.c.; glim lamp |

Note: Light emitting gaskets can not be used

5/2 directional control valves, solenoid actuated

| Symbol | Port size | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|---|-----------|---------------------|--------------|--------------|--------------------------|----------------------|-------------|-------------|--------------|
|  | G1/8 | Solenoid/spring | Internal | 750 | 3 ... 10 | – | 0,22 | 9 | V60A517A-A#* |
| | G1/4 | Solenoid/spring | Internal | 1300 | 3 ... 10 | – | 0,29 | 9 | V61B517A-A#* |
| | G3/8 | Solenoid/spring | Internal | 2600 | 3 ... 10 | – | 0,52 | 9 | V62C517A-A#* |
| | G1/2 | Solenoid/spring | Internal | 4500 | 3 ... 10 | – | 0,96 | 10 | V63D517A-A#* |
|  | G1/8 | Solenoid/air spring | Internal | 750 | 2 ... 10 | – | 0,24 | 11 | V60A513A-A#* |
| | G1/4 | Solenoid/air spring | Internal | 1300 | 2 ... 10 | – | 0,33 | 11 | V61B513A-A#* |
| | G3/8 | Solenoid/air spring | Internal | 2600 | 2 ... 10 | – | 0,62 | 11 | V62C513A-A#* |
| | G1/2 | Solenoid/air spring | Internal | 4500 | 3 ... 10 | – | 0,96 | 12 | V63D513A-A#* |
|  | G1/8 | Solenoid/air spring | External | 750 | -0,9 ... 10 | 3 ... 10 | 0,24 | 11 | V60A523A-A#* |
| | G1/4 | Solenoid/air spring | External | 1300 | -0,9 ... 10 | 3 ... 10 | 0,33 | 11 | V61B523A-A#* |
| | G3/8 | Solenoid/air spring | External | 2600 | -0,9 ... 10 | 3 ... 10 | 0,62 | 11 | V62C523A-A#* |
| | G1/2 | Solenoid/air spring | External | 4500 | -0,9 ... 10 | 3 ... 10 | 0,96 | 12 | V63D523A-A#* |
|  | G1/8 | Solenoid/Solenoid | Internal | 750 | 1,5 ... 10 | – | 0,33 | 13 | V60A511A-A#* |
| | G1/4 | Solenoid/Solenoid | Internal | 1300 | 1,5 ... 10 | – | 0,42 | 13 | V61B511A-A#* |
| | G3/8 | Solenoid/Solenoid | Internal | 2600 | 1,5 ... 10 | – | 0,72 | 13 | V62C511A-A#* |
| | G1/2 | Solenoid/Solenoid | Internal | 4500 | 2 ... 10 | – | 0,98 | 14 | V63D511A-A#* |

5/3 directional control valves, solenoid actuated

| Symbol | Port size | Function | Actuation | Pilot supply | Flow (l/min) | Operating pressure (bar) | Pilot pressure (bar) | Weight (kg) | Drawing No. | Model *1) |
|---|-----------|----------|-------------------|--------------|--------------|--------------------------|----------------------|-------------|-------------|--------------|
|  | G1/8 | APB | Solenoid/Solenoid | Internal | 500 | 3 ... 10 | – | 0,35 | 15 | V60A611A-A#* |
| | G1/4 | APB | Solenoid/Solenoid | Internal | 950 | 3 ... 10 | – | 0,47 | 15 | V61B611A-A#* |
| | G3/8 | APB | Solenoid/Solenoid | Internal | 1900 | 3 ... 10 | – | 0,81 | 15 | V62C611A-A#* |
|  | G1/8 | APB | Solenoid/Solenoid | External | 500 | -0,9 ... 10 | 3 ... 10 | 0,35 | 15 | V60A622A-A#* |
| | G1/4 | APB | Solenoid/Solenoid | External | 950 | -0,9 ... 10 | 3 ... 10 | 0,47 | 15 | V61B622A-A#* |
| | G3/8 | APB | Solenoid/Solenoid | External | 1900 | -0,9 ... 10 | 3 ... 10 | 0,81 | 15 | V62C622A-A#* |
|  | G1/8 | COE | Solenoid/Solenoid | Internal | 500 | 3 ... 10 | – | 0,35 | 15 | V60A711A-A#* |
| | G1/4 | COE | Solenoid/Solenoid | Internal | 950 | 3 ... 10 | – | 0,47 | 15 | V61B711A-A#* |
| | G3/8 | COE | Solenoid/Solenoid | Internal | 1900 | 3 ... 10 | – | 0,81 | 15 | V62C711A-A#* |
|  | G1/8 | COE | Solenoid/Solenoid | External | 500 | -0,9 ... 10 | 3 ... 10 | 0,35 | 15 | V60A722A-A#* |
| | G1/4 | COE | Solenoid/Solenoid | External | 950 | -0,9 ... 10 | 3 ... 10 | 0,47 | 15 | V61B722A-A#* |
| | G3/8 | COE | Solenoid/Solenoid | External | 1900 | -0,9 ... 10 | 3 ... 10 | 0,81 | 15 | V62C722A-A#* |
|  | G1/8 | COP | Solenoid/Solenoid | Internal | 500 | 3 ... 10 | – | 0,35 | 15 | V60A811A-A#* |
| | G1/4 | COP | Solenoid/Solenoid | Internal | 950 | 3 ... 10 | – | 0,47 | 15 | V61B811A-A#* |
| | G3/8 | COP | Solenoid/Solenoid | Internal | 1900 | 3 ... 10 | – | 0,81 | 15 | V62C811A-A#* |
|  | G1/8 | COP | Solenoid/Solenoid | External | 500 | -0,9 ... 10 | 3 ... 10 | 0,35 | 15 | V60A822A-A#* |
| | G1/4 | COP | Solenoid/Solenoid | External | 950 | -0,9 ... 10 | 3 ... 10 | 0,47 | 15 | V61B822A-A#* |
| | G3/8 | COP | Solenoid/Solenoid | External | 1900 | -0,9 ... 10 | 3 ... 10 | 0,81 | 15 | V62C822A-A#* |

Insert code for manual override: 1 = without; 2 = push and turn, 3 = push only

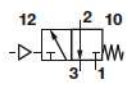
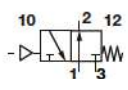
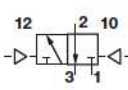
*1) Insert voltage code from table on page before or 000 for version without solenoid

APB = All ports blocked

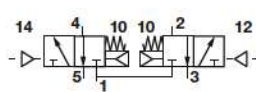
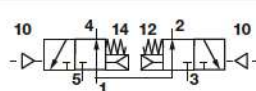
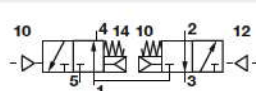
COE = Centre open exhaust

COP = Centre open pressure

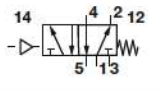
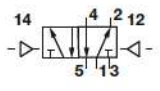
3/2 directional control valves, pilot actuated

| Symbol | Port size | Function | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|---|-----------|----------|------------|--------------|--------------------------|-------------------------------|-------------|-------------|----------------|
|  | G1/8 | NC | Air/Spring | 750 | -0,9 ... 10 | 2,5 ... 10 | 0,13 | 31 | V60A4D7A-XA090 |
| | G1/4 | NC | Air/Spring | 1300 | -0,9 ... 10 | 2,5 ... 10 | 0,21 | 31 | V61B4D7A-XA090 |
| | G3/8 | NC | Air/Spring | 2600 | -0,9 ... 10 | 2,5 ... 10 | 0,43 | 33 | V62C4D7A-XA090 |
|  | G1/8 | NO | Air/Spring | 750 | -0,9 ... 10 | 2,5 ... 10 | 0,13 | 32 | V60A3D7A-XA090 |
| | G1/4 | NO | Air/Spring | 1300 | -0,9 ... 10 | 2,5 ... 10 | 0,21 | 32 | V61B3D7A-XA090 |
| | G3/8 | NO | Air/Spring | 2600 | -0,9 ... 10 | 2,5 ... 10 | 0,43 | 34 | V62C3D7A-XA090 |
|  | G1/2 | NC | Air/Spring | 4500 | -0,9 ... 16 | 3 ... 16 | 0,75 | 35 | V63D4D7A-XA090 |
| | G1/8 | NC | Air/Air | 750 | -0,9 ... 10 | 1,5 ... 10 | 0,13 | 37 | V60A4DDA-XA020 |
| | G1/4 | NC | Air/Air | 1300 | -0,9 ... 10 | 1,5 ... 10 | 0,21 | 37 | V61B4DDA-XA020 |
| | G3/8 | NC | Air/Air | 2600 | -0,9 ... 10 | 1,5 ... 10 | 0,43 | 38 | V62C4DDA-XA020 |
| | G1/2 | NC | Air/Air | 4500 | -0,9 ... 16 | 1,5 ... 16 | 0,68 | 39 | V63D4DDA-XA020 |

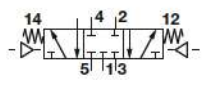
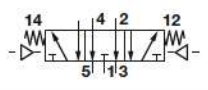
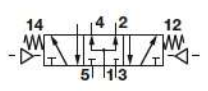
2 x 3/2 directional control valves, pilot actuated

| Symbol | Port size | Function | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|--|-----------|----------|-----------|--------------|--------------------------|-------------------------------|-------------|-------------|----------------|
|  | G1/8 | NC/NC | Air/Air | 500 | 2 ... 10 | 2 ... 10 | 0,18 | 43 | V60AADDA-XA020 |
| | G1/4 | NC/NC | Air/Air | 950 | 2 ... 10 | 2 ... 10 | 0,28 | 43 | V61BADDA-XA020 |
| | G3/8 | NC/NC | Air/Air | 1900 | 2 ... 10 | 2 ... 10 | 0,60 | 44 | V62CADDA-XA020 |
|  | G1/8 | NO/NO | Air/Air | 500 | 2 ... 10 | 2 ... 10 | 0,18 | 43 | V60ABDDA-XA020 |
| | G1/4 | NO/NO | Air/Air | 950 | 2 ... 10 | 2 ... 10 | 0,28 | 43 | V61BBDDA-XA020 |
| | G3/8 | NO/NO | Air/Air | 1900 | 2 ... 10 | 2 ... 10 | 0,60 | 44 | V62CBDDA-XA020 |
|  | G1/8 | NO/NC | Air/Air | 500 | 2 ... 10 | 2 ... 10 | 0,18 | 43 | V60ACDDA-XA020 |
| | G1/4 | NO/NC | Air/Air | 950 | 2 ... 10 | 2 ... 10 | 0,28 | 43 | V61BCDDA-XA020 |
| | G3/8 | NO/NC | Air/Air | 1900 | 2 ... 10 | 2 ... 10 | 0,60 | 44 | V62CCDDA-XA020 |

5/2 directional control valves, pilot actuated

| Symbol | Port size | Function | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|---|-----------|------------|-----------|--------------|--------------------------|-------------------------------|-------------|-------------|----------------|
|  | G1/8 | Air/Spring | | 750 | -0,9 ... 10 | 2,5 ... 10 | 0,16 | 40 | V60A5D7A-XA090 |
| | G1/4 | Air/Spring | | 1300 | -0,9 ... 10 | 2,5 ... 10 | 0,26 | 40 | V61B5D7A-XA090 |
| | G3/8 | Air/Spring | | 2600 | -0,9 ... 10 | 2,5 ... 10 | 0,56 | 41 | V62C5D7A-XA090 |
| | G1/2 | Air/Spring | | 4500 | -0,9 ... 16 | 3 ... 16 | 0,92 | 42 | V63D5D7A-XA090 |
|  | G1/8 | Air/Air | | 750 | -0,9 ... 10 | 1,5 ... 10 | 0,17 | 43 | V60A5DDA-XA020 |
| | G1/4 | Air/Air | | 1300 | -0,9 ... 10 | 1,5 ... 10 | 0,27 | 43 | V61B5DDA-XA020 |
| | G3/8 | Air/Air | | 2600 | -0,9 ... 10 | 1,5 ... 10 | 0,58 | 44 | V62C5DDA-XA020 |
| | G1/2 | Air/Air | | 4500 | -0,9 ... 16 | 1,5 ... 16 | 0,87 | 45 | V63D5DDA-XA020 |

5/3 directional control valves, pilot actuated

| Symbol | Port size | Function | Actuation | Flow (l/min) | Operating pressure (bar) | Pilot pressure external (bar) | Weight (kg) | Drawing No. | Model |
|--|-----------|----------|-----------|--------------|--------------------------|-------------------------------|-------------|-------------|----------------|
|  | G1/8 | APB | Air/Air | 500 | -0,9 ... 10 | 3 ... 10 | 0,20 | 46 | V60A6DDA-XA020 |
| | G1/4 | APB | Air/Air | 950 | -0,9 ... 10 | 3 ... 10 | 0,32 | 46 | V61B6DDA-XA020 |
| | G3/8 | APB | Air/Air | 1900 | -0,9 ... 10 | 3 ... 10 | 0,67 | 47 | V62C6DDA-XA020 |
| | G1/2 | APB | Air/Air | 2300 | -0,9 ... 10 | 3 ... 10 | 1,10 | 48 | V63D6DDA-XA020 |
|  | G1/8 | COE | Air/Air | 500 | -0,9 ... 10 | 3 ... 10 | 0,20 | 46 | V60A7DDA-XA020 |
| | G1/4 | COE | Air/Air | 950 | -0,9 ... 10 | 3 ... 10 | 0,32 | 46 | V61B7DDA-XA020 |
| | G3/8 | COE | Air/Air | 1900 | -0,9 ... 10 | 3 ... 10 | 0,67 | 47 | V62C7DDA-XA020 |
| | G1/2 | COE | Air/Air | 2300 | -0,9 ... 10 | 3 ... 10 | 1,10 | 48 | V63D7DDA-XA020 |
|  | G1/8 | COP | Air/Air | 500 | -0,9 ... 10 | 3 ... 10 | 0,20 | 46 | V60A8DDA-XA020 |
| | G1/4 | COP | Air/Air | 950 | -0,9 ... 10 | 3 ... 10 | 0,32 | 46 | V61B8DDA-XA020 |
| | G3/8 | COP | Air/Air | 1900 | -0,9 ... 10 | 3 ... 10 | 0,67 | 47 | V62C8DDA-XA020 |

NC = Normally closed

NO = Normally open

NC/NC = Both valves normally closed (port P)

NO/NO = Both valves normally open (port P)

NO/NC = 1 valve normally open, 1 valve normally closed (port P)

APB = All ports blocked

COE = Centre open exhaust

COP = Centre open pressure

**Option selector
(directional control valves,
solenoid actuated)**
V6***A-A*******

| Valve size | Substitute |
|-----------------|------------|
| G1/8 | 0A |
| G1/4 | 1B |
| G3/8 | 2C |
| G1/2 | 3D |
| NPT-Valve size | Substitute |
| 1/8 NPT | 0P |
| 1/4 NPT | 1R |
| 3/8 NPT | 2S |
| 1/2 NPT | 3T |
| Function | Substitute |
| 3/2 - NO | 3 |
| 3/2 - NC | 4 |
| 5/2 | 5 |
| 5/3 - APB | 6 |
| 5/3 - COE | 7 |
| 5/3 - COP | 8 |
| 2 x 3/2 - NC | A |
| 2 x 3/2 - NO | B |
| 2 x 3/2 - NO/NC | C |

| Plug Interface | Substitute | |
|---|--------------|------------|
| 22 mm, industrial standard | J | |
| 22 mm, to EN 175301-803 (DIN 43650), Form B | L | |
| Voltage | Substitute | |
| 12 V d.c. 2 W | 12 | |
| 24 V d.c. 2 W | 13 | |
| 24 V a.c. (50/60 Hz) 4/2,5 VA | 14 | |
| 110/120 V a.c. (50/60 Hz) 4/2,5 VA | 18 | |
| 220/240 V a.c. (50/60 Hz) 6/5 VA | 19 | |
| Manual override | Substitute | |
| Push, locked position | 2 | |
| Push only | 3 | |
| Without | 1 | |
| Actuation/return | Pilot Supply | Substitute |
| Sol/Sol | Internal | 11 |
| Sol/air spring | Internal | 13 |
| Sol/spring | Internal | 17 |
| Sol/Sol | External | 22 |
| Sol/air spring | External | 23 |
| Sol/spring | External | 27 |

**Option selector
(directional control valves,
pilot actuated)**
V6**D*A-X****0**

| Port size ISO G | Substitute |
|-----------------|------------|
| G1/8 | 0A |
| G1/4 | 1B |
| G3/8 | 2C |
| G1/2 | 3D |
| Port size NPT | Substitute |
| 1/8 NPT | 0P |
| 1/4 NPT | 1R |
| 3/8 NPT | 2S |
| 1/2 NPT | 3T |
| Function | Substitute |
| 3/2 - NO | 3 |
| 3/2 - NC | 4 |
| 5/2 | 5 |
| 5/3 - APB | 6 |
| 5/3 - COE | 7 |
| 5/3 - COP | 8 |
| 2 x 3/2 - NC | A |
| 2 x 3/2 - NO | B |
| 2 x 3/2 - NO/NC | C |

| Actuation/return | Substitute |
|------------------|------------|
| Air/Air | 02 |
| Air/Spring | 09 |
| Pilot port | Substitute |
| G1/8 | A |
| 1/8 NPT | P |
| Actuation/return | Substitute |
| Air/Air | D |
| Air/Spring | 7 |