

Series 740



AVENTICS™ Series 740














5/2-directional valve, Series 740

- ATEX optional
- 5/2
- Qn = 700-950 l/min
- Pipe connection
- Compressed air connection output : Ø 8x1 Ø 10x1
- Electrical connection : Plug, EN 175301-803, form A
- -25 °C cold-resistant
- Can be assembled into blocks
- Manual override : without detent, with detent
- single solenoid
- With air spring return
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle Plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -25 ... 50 °C |
| Medium temperature min./max. | -25 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Nominal flow Qn | See table below |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Typ. switch-on time | 17 ms |
| Typ. switch-off time | 24 ms |
| Mounting on manifold strip | PRS strip |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|---|---------------------------|--------|
| | | | Input | Output |
| 5727400220 |  | T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R-T-R | Ø 8x1 | Ø 8x1 |
| 5727400420 |  | | Ø 8x1 | Ø 8x1 |
| 5727420220 |  | | Ø 8x1 | Ø 8x1 |
| 5727450220 |  | | Ø 10x1 | Ø 10x1 |
| 5727450420 |  | | Ø 10x1 | Ø 10x1 |
| 5727405280 |  | | Ø 8x1 | Ø 8x1 |
| 5727405480 |  | | Ø 8x1 | Ø 8x1 |
| 5727455280 |  | | Ø 10x1 | Ø 10x1 |
| 5727455480 |  | | Ø 10x1 | Ø 10x1 |
| 5727405302 |  | | | Ø 8x1 |
| 5727455302 |  | | Ø 10x1 | |

| Part No. | Compressed air connection | | Operational voltage | |
|------------|---------------------------|---------|---------------------|----------|
| | | Exhaust | DC | AC 50 Hz |
| 5727400220 | | M14x1 | 24 V | - |
| 5727400420 | | M14x1 | 24 V | - |
| 5727420220 | | M14x1 | 24 V | - |
| 5727450220 | | M14x1 | 24 V | - |
| 5727450420 | | M14x1 | 24 V | - |
| 5727405280 | | M14x1 | - | 230 V |
| 5727405480 | | M14x1 | - | 230 V |
| 5727455280 | | M14x1 | - | 230 V |
| 5727455480 | | M14x1 | - | 230 V |
| 5727405302 | | M14x1 | - | - |
| 5727455302 | | M14x1 | - | - |

| Part No. | Operational voltage | Voltage tolerance | | |
|------------|---------------------|-------------------|-------------|-------------|
| | | DC | AC 50 Hz | AC 60 Hz |
| 5727400220 | - | -10% / +10% | - | - |
| 5727400420 | - | -10% / +10% | - | - |
| 5727420220 | - | -10% / +10% | - | - |
| 5727450220 | - | -10% / +10% | - | - |
| 5727450420 | - | -10% / +10% | - | - |
| 5727405280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727405480 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727455280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727455480 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727405302 | - | - | - | - |
| 5727455302 | - | - | - | - |

| Part No. | Power consumption | | Holding power | | Switch-on power |
|------------|-------------------|--|---------------|----------|-----------------|
| | DC | | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727400220 | 2.1 W | | - | - | - |
| 5727400420 | 2.1 W | | - | - | - |
| 5727420220 | 2.1 W | | - | - | - |

| Part No. | Power consumption | Holding power | Holding power | Switch-on power |
|------------|-------------------|---------------|---------------|-----------------|
| | DC | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727450220 | 2.1 W | - | - | - |
| 5727450420 | 2.1 W | - | - | - |
| 5727405280 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727405480 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727455280 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727455480 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727405302 | - | - | - | - |
| 5727455302 | - | - | - | - |

| Part No. | Switch-on power | Nominal flow Qn | Compatibility index | Throttle |
|------------|-----------------|-----------------|---------------------|---------------|
| | AC 60 Hz | | | |
| 5727400220 | - | 700 l/min | 13 14 | with throttle |
| 5727400420 | - | 700 l/min | 13 14 | with throttle |
| 5727420220 | - | 700 l/min | 13 14 | with throttle |
| 5727450220 | - | 950 l/min | 14 14 | with throttle |
| 5727450420 | - | 950 l/min | 13 14 | with throttle |
| 5727405280 | 5.5 VA | 700 l/min | 14 | with throttle |
| 5727405480 | 5.5 VA | 700 l/min | 14 | with throttle |
| 5727455280 | 5.5 VA | 950 l/min | 14 | with throttle |
| 5727455480 | 5.5 VA | 950 l/min | 14 | with throttle |
| 5727405302 | - | 700 l/min | 14 | with throttle |
| 5727455302 | - | 950 l/min | 14 | with throttle |

| Part No. | Valve plug connector | basic valve with electrical connector |
|------------|------------------------------|---------------------------------------|
| 5727400220 | With valve plug connector | - |
| 5727400420 | Without valve plug connector | - |
| 5727420220 | With valve plug connector | - |
| 5727450220 | With valve plug connector | - |
| 5727450420 | Without valve plug connector | - |
| 5727405280 | With valve plug connector | - |
| 5727405480 | Without valve plug connector | - |
| 5727455280 | With valve plug connector | - |
| 5727455480 | Without valve plug connector | - |
| 5727405302 | - | Basic valve without coil |
| 5727455302 | - | Basic valve without coil |

| Part No. | Reverse polarity protection | ATEX | Weight | |
|------------|-------------------------------------|---------------|----------|----|
| 5727400220 | Protected against polarity reversal | - | 0.339 kg | - |
| 5727400420 | Protected against polarity reversal | - | 0.317 kg | - |
| 5727420220 | Protected against polarity reversal | ATEX | 0.335 kg | 1) |
| 5727450220 | Protected against polarity reversal | - | 0.341 kg | - |
| 5727450420 | Protected against polarity reversal | - | 0.318 kg | - |
| 5727405280 | Protected against polarity reversal | - | 0.335 kg | - |
| 5727405480 | Protected against polarity reversal | - | 0.311 kg | - |
| 5727455280 | Protected against polarity reversal | - | 0.336 kg | - |
| 5727455480 | Protected against polarity reversal | - | 0.311 kg | - |
| 5727405302 | - | ATEX optional | 0.221 kg | - |

| Part No. | Reverse polarity protection | ATEX | Weight | |
|------------|-----------------------------|---------------|---------|---|
| 5727455302 | - | ATEX optional | 0.22 kg | - |

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, MO = Manual override

1) II 3G3D EEX nA IIB T4 IP65 T125 °C X

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

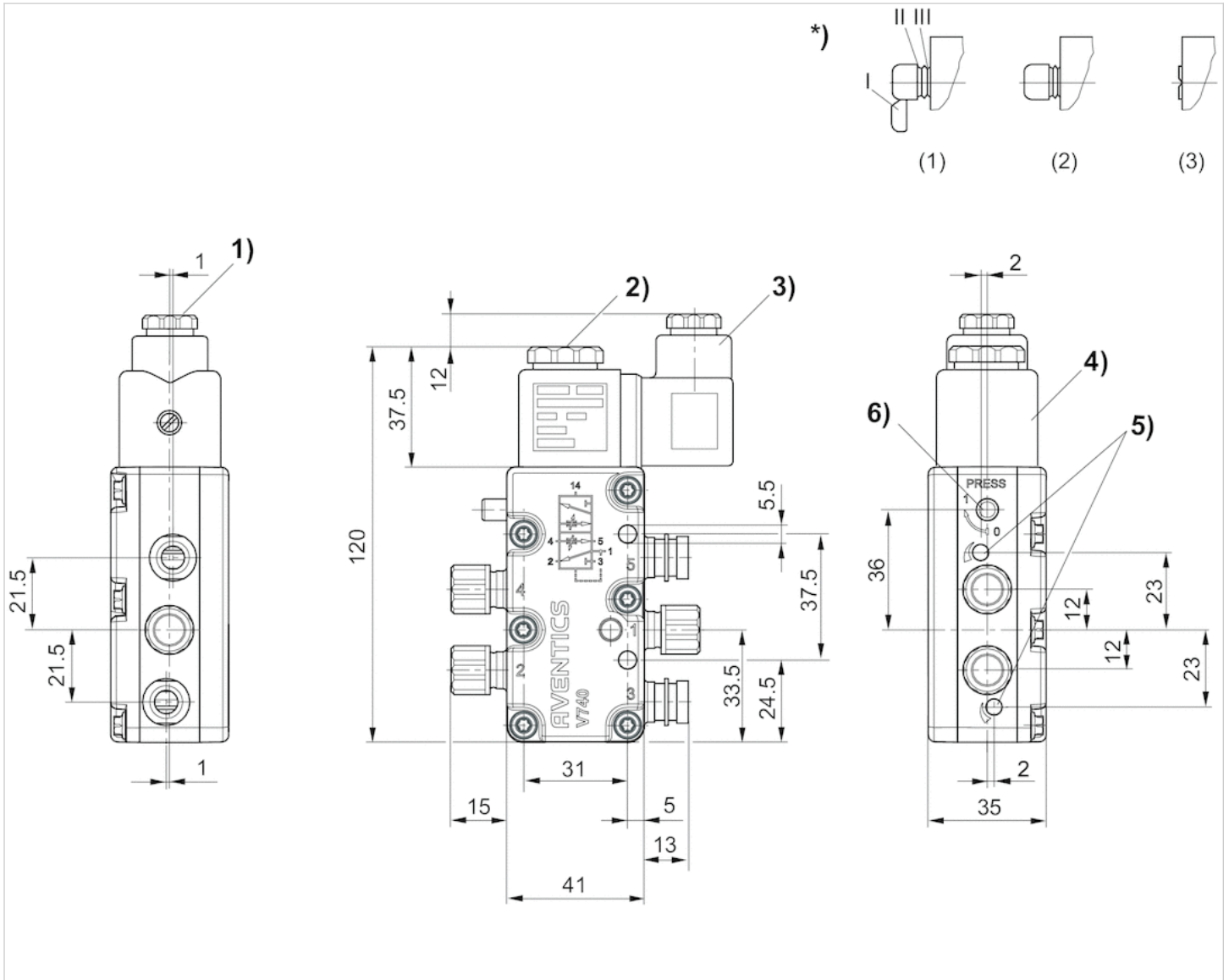
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyarylamide Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



1) Gland fitting M16x1.52) M5 internal thread accessible under cap
 3) Valve plug connector can be rotated at 90° intervals
 4) Coil can be plugged at 45° intervals
 5) Flow control screw for exhausts 5 (R) and 3 (S)
 6) Manual override and position indicator
 *) Manual override: Manual actuation: (1) with detent - push and turn into position 1 (2) without detent - remove segment I - push only
 Actuation with tool: (3) with detent - remove segments up to II - push with tool and turn into position 1




5/2-directional valve, Series 740

- ATEX optional
- 5/2
- Qn = 1100 l/min
- Pipe connection
- Compressed air connection output : Ø 10x1
- Electrical connection : Plug, EN 175301-803, form A
- -25 °C cold-resistant
- Can be assembled into blocks
- Manual override : with detent
- With air spring return
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -25 ... 50 °C |
| Medium temperature min./max. | -25 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Nominal flow Qn | 1100 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Typ. switch-on time | 17 ms |
| Typ. switch-off time | 26 ms |
| Mounting on manifold strip | PRS strip |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|----|---------------------------|--------|
| | | | Input | Output |
| 5727470220 |  | | Ø 10x1 | Ø 10x1 |
| 5727475280 |  | | Ø 10x1 | Ø 10x1 |
| 5727475302 |  | | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Operational voltage | Operational voltage |
|------------|---------------------------|--|---------------------|---------------------|
| | Exhaust | | DC | AC 50 Hz |
| 5727470220 | M14x1 | | 24 V | - |
| 5727475280 | M14x1 | | - | 230 V |
| 5727475302 | M14x1 | | - | - |

| Part No. | Operational voltage | Voltage tolerance | | |
|------------|---------------------|-------------------|-------------|-------------|
| | | DC | AC 50 Hz | AC 60 Hz |
| 5727470220 | - | -10% / +10% | - | - |
| 5727475280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727475302 | - | - | - | - |

| Part No. | Power consumption | | Holding power | Holding power | Switch-on power |
|------------|-------------------|----------|---------------|---------------|-----------------|
| | DC | AC 50 Hz | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727470220 | 2.1 W | - | - | - | - |
| 5727475280 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA | |
| 5727475302 | 2.1 W | - | - | - | - |

| Part No. | Switch-on power | Compatibility index | Throttle | Valve plug connector |
|------------|-----------------|---------------------|---------------|------------------------------|
| | AC 60 Hz | | | |
| 5727470220 | - | 13 14 | with throttle | Without valve plug connector |
| 5727475280 | 5.5 VA | 14 | with throttle | Without valve plug connector |
| 5727475302 | - | 14 | with throttle | - |

| Part No. | basic valve with electrical connector | Reverse polarity protection |
|------------|---------------------------------------|-------------------------------------|
| 5727470220 | - | Protected against polarity reversal |
| 5727475280 | - | Protected against polarity reversal |
| 5727475302 | Basic valve without coil | - |

| Part No. | ATEX | Weight |
|------------|---------------|----------|
| 5727470220 | - | 0.33 kg |
| 5727475280 | - | 0.325 kg |
| 5727475302 | ATEX optional | 0.236 kg |

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

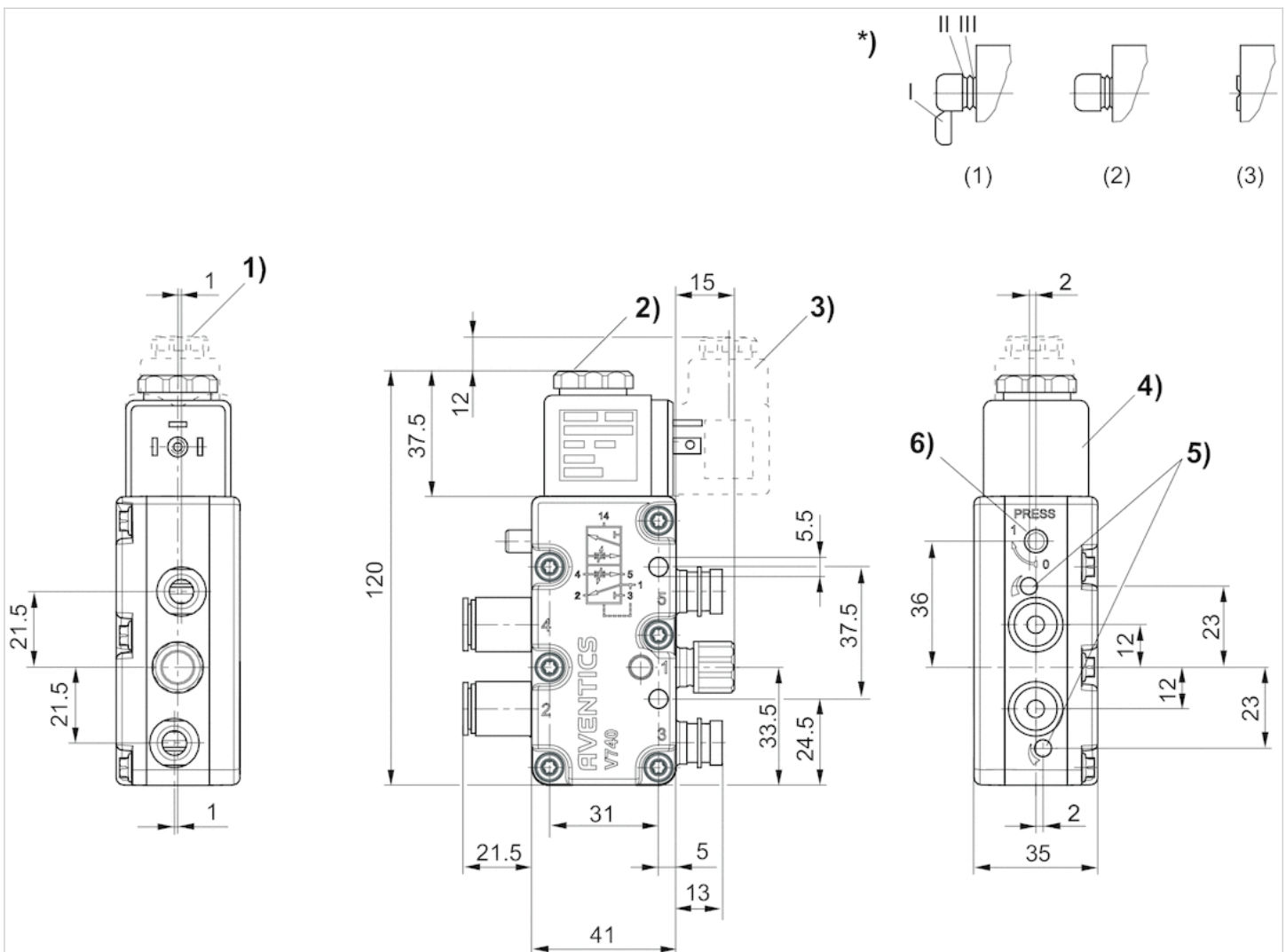
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene Polyarylamide |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



- 1) Gland fitting M16x1.52) M5 internal thread accessible under cap
 - 3) Valve plug connector can be rotated at 90° intervals
 - 4) Coil can be plugged at 45° intervals
 - 5) Flow control screw for exhausts 5 (R) and 3 (S)
 - 6) Manual override and position indicator
- *) Manual override:
 Manual actuation: (1) with detent - push and turn into position 1 (2) without detent - remove segment I - push only
 Actuation with tool: (3) with detent - remove segments up to II - push with tool and turn into position 1























5/2-directional valve, Series 740

- ATEX optional
- 5/2
- $Q_n = 700-950 \text{ l/min}$
- Pipe connection
- Compressed air connection output : $\varnothing 8 \times 1 \varnothing 10 \times 1$
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent
- double solenoid
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 μm |
| Oil content of compressed air | 0 ... 5 mg/m^3 |
| Nominal flow Q_n | See table below |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Typ. switch-on time | 40 ms |
| Mounting on manifold strip | PRS strip |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|---|---------------------------|--------|
| | | | Input | Output |
| 5727410220 |  |  | Ø 8x1 | Ø 8x1 |
| 5727410420 |  |  | Ø 8x1 | Ø 8x1 |
| 5727460220 |  |  | Ø 10x1 | Ø 10x1 |
| 5727460420 |  |  | Ø 10x1 | Ø 10x1 |
| 5727415280 |  |  | Ø 8x1 | Ø 8x1 |
| 5727440220 |  |  | Ø 8x1 | Ø 8x1 |
| 5727415480 |  |  | Ø 8x1 | Ø 8x1 |
| 5727465280 |  |  | Ø 10x1 | Ø 10x1 |
| 5727465480 |  |  | Ø 10x1 | Ø 10x1 |
| 5727415302 |  |  | Ø 8x1 | Ø 8x1 |
| 5727465302 |  |  | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Operational voltage | |
|------------|---------------------------|--|---------------------|----------|
| | Exhaust | | DC | AC 50 Hz |
| 5727410220 | M14x1 | | 24 V | - |
| 5727410420 | M14x1 | | 24 V | - |
| 5727460220 | M14x1 | | 24 V | - |
| 5727460420 | M14x1 | | 24 V | - |
| 5727415280 | M14x1 | | - | 230 V |
| 5727440220 | M14x1 | | 24 V | - |
| 5727415480 | M14x1 | | - | 230 V |
| 5727465280 | M14x1 | | - | 230 V |
| 5727465480 | M14x1 | | - | 230 V |
| 5727415302 | M14x1 | | - | - |
| 5727465302 | M14x1 | | - | - |

| Part No. | Operational voltage | Voltage tolerance | | |
|------------|---------------------|-------------------|-------------|-------------|
| | | DC | AC 50 Hz | AC 60 Hz |
| 5727410220 | - | -10% / +10% | - | - |
| 5727410420 | - | -10% / +10% | - | - |
| 5727460220 | - | -10% / +10% | - | - |
| 5727460420 | - | -10% / +10% | - | - |
| 5727415280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727440220 | - | -10% / +10% | - | - |
| 5727415480 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727465280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727465480 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727415302 | - | - | - | - |
| 5727465302 | - | - | - | - |

| Part No. | Power consumption | | Holding power | | Switch-on power |
|------------|-------------------|--|---------------|----------|-----------------|
| | DC | | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727410220 | 2.1 W | | - | - | - |
| 5727410420 | 2.1 W | | - | - | - |
| 5727460220 | 2.1 W | | - | - | - |

| Part No. | Power consumption | Holding power | Holding power | Switch-on power |
|------------|-------------------|---------------|---------------|-----------------|
| | DC | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727460420 | 2.1 W | - | - | - |
| 5727415280 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727440220 | 2.1 W | - | - | - |
| 5727415480 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727465280 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727465480 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727415302 | - | - | - | - |
| 5727465302 | - | - | - | - |

| Part No. | Switch-on power | Nominal flow Qn | Compatibility index | Throttle |
|------------|-----------------|-----------------|---------------------|---------------|
| | AC 60 Hz | | | |
| 5727410220 | - | 700 l/min | 13 14 | with throttle |
| 5727410420 | - | 700 l/min | 13 14 | with throttle |
| 5727460220 | - | 950 l/min | 13 14 | with throttle |
| 5727460420 | - | 950 l/min | 13 14 | with throttle |
| 5727415280 | 5.5 VA | 700 l/min | 14 | with throttle |
| 5727440220 | - | 700 l/min | 13 14 | with throttle |
| 5727415480 | 5.5 VA | 700 l/min | 14 | with throttle |
| 5727465280 | 5.5 VA | 950 l/min | 14 | with throttle |
| 5727465480 | 5.5 VA | 950 l/min | 14 | with throttle |
| 5727415302 | - | 700 l/min | 14 | with throttle |
| 5727465302 | - | 950 l/min | 14 | with throttle |

| Part No. | Valve plug connector | basic valve with electrical connector |
|------------|------------------------------|---------------------------------------|
| 5727410220 | With valve plug connector | - |
| 5727410420 | Without valve plug connector | - |
| 5727460220 | With valve plug connector | - |
| 5727460420 | Without valve plug connector | - |
| 5727415280 | With valve plug connector | - |
| 5727440220 | With valve plug connector | - |
| 5727415480 | Without valve plug connector | - |
| 5727465280 | With valve plug connector | - |
| 5727465480 | Without valve plug connector | - |
| 5727415302 | - | Basic valve without coil |
| 5727465302 | - | Basic valve without coil |

| Part No. | Reverse polarity protection | ATEX | Weight | |
|------------|-------------------------------------|---------------|----------|----|
| 5727410220 | Protected against polarity reversal | - | 0.555 kg | - |
| 5727410420 | Protected against polarity reversal | - | 0.505 kg | - |
| 5727460220 | Protected against polarity reversal | - | 0.555 kg | - |
| 5727460420 | Protected against polarity reversal | - | 0.505 kg | - |
| 5727415280 | Protected against polarity reversal | - | 0.544 kg | - |
| 5727440220 | Protected against polarity reversal | ATEX | - | 1) |
| 5727415480 | Protected against polarity reversal | - | 0.53 kg | - |
| 5727465280 | Protected against polarity reversal | - | 0.539 kg | - |
| 5727465480 | Protected against polarity reversal | - | 0.496 kg | - |
| 5727415302 | - | ATEX optional | 0.319 kg | - |

| Part No. | Reverse polarity protection | ATEX | Weight | |
|------------|-----------------------------|---------------|----------|---|
| 5727465302 | - | ATEX optional | 0.316 kg | - |

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, MO = Manual override

1) II 3G3D EEX nA IIB T4 IP65 T125 °C X

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

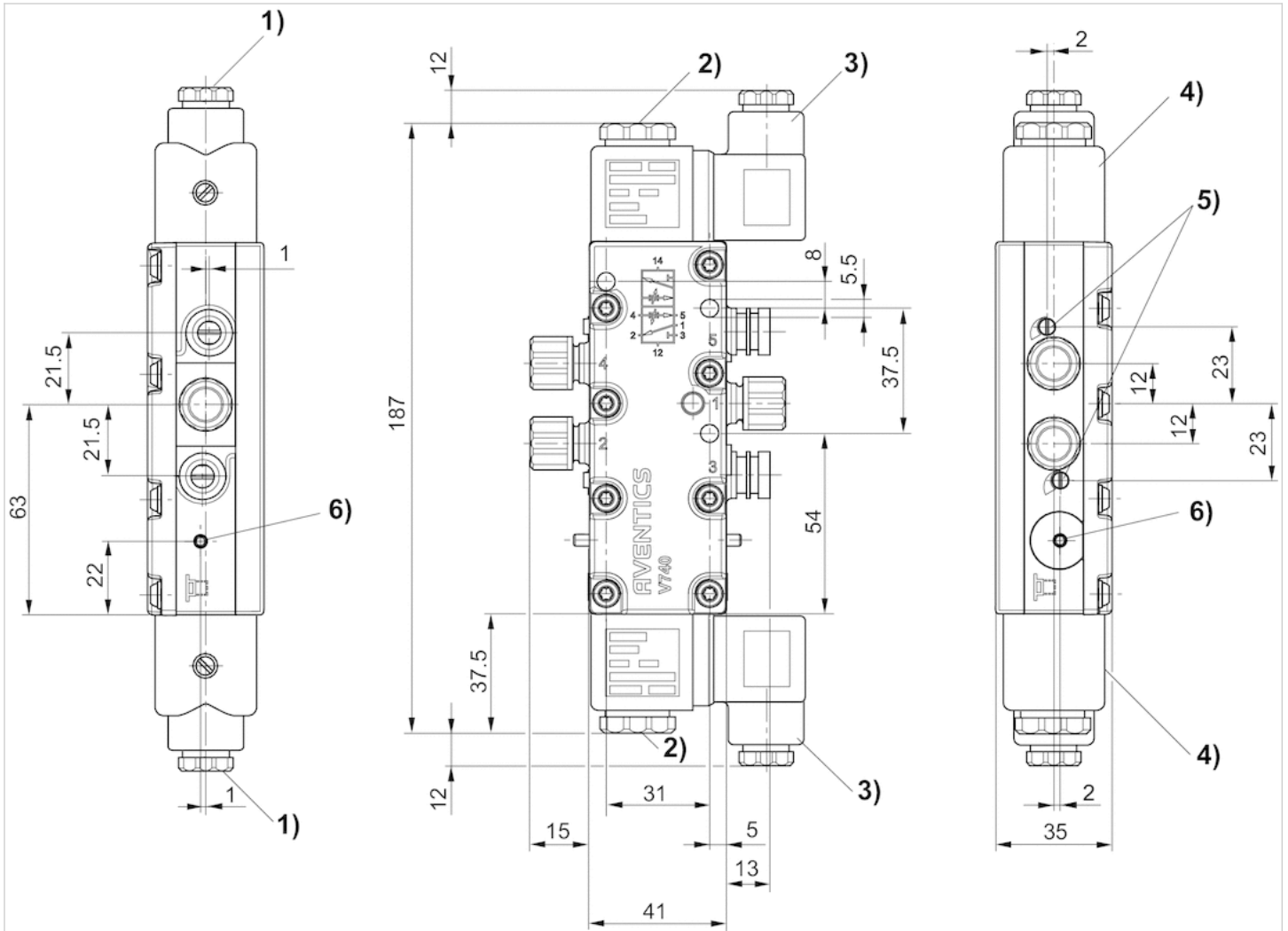
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



1) Gland fitting M16x1.52) M5 internal thread accessible under cap3) Valve plug connector can be rotated at 90° intervals4) Coil can be plugged at 45° intervals5) Flow control screw for exhausts 5 (R) and 3 (S)6) Manual override and position indicator







5/2-directional valve, Series 740

- ATEX optional
- 5/2
- Qn = 1100 l/min
- Pipe connection
- Compressed air connection output : Ø 10x1
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent
- double solenoid
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Nominal flow Qn | 1100 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Typ. switch-on time | 40 ms |
| Mounting on manifold strip | PRS strip |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|---|---------------------------|--------|
| | | | Input | Output |
| 5727480220 |  |  | Ø 10x1 | Ø 10x1 |
| 5727485280 |  |  | Ø 10x1 | Ø 10x1 |
| 5727485302 |  |  | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Operational voltage | Operational voltage |
|------------|---------------------------|--|---------------------|---------------------|
| | Exhaust | | DC | AC 50 Hz |
| 5727480220 | M14x1 | | 24 V | - |
| 5727485280 | M14x1 | | - | 230 V |
| 5727485302 | M14x1 | | - | - |

| Part No. | Operational voltage | Voltage tolerance | | |
|------------|---------------------|-------------------|-------------|-------------|
| | | DC | AC 50 Hz | AC 60 Hz |
| 5727480220 | - | -10% / +10% | - | - |
| 5727485280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727485302 | - | - | - | - |

| Part No. | Power consumption | | Holding power | Holding power | Switch-on power |
|------------|-------------------|--|---------------|---------------|-----------------|
| | DC | | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727480220 | 2.1 W | | - | - | - |
| 5727485280 | 2.1 W | | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727485302 | 2.1 W | | - | - | - |

| Part No. | Switch-on power | Compatibility index | Throttle | Valve plug connector |
|------------|-----------------|---------------------|---------------|------------------------------|
| | AC 60 Hz | | | |
| 5727480220 | - | 13 14 | with throttle | Without valve plug connector |
| 5727485280 | 5.5 VA | 14 | with throttle | Without valve plug connector |
| 5727485302 | - | 14 | with throttle | - |

| Part No. | basic valve with electrical connector | Reverse polarity protection |
|------------|---------------------------------------|-------------------------------------|
| 5727480220 | - | Protected against polarity reversal |
| 5727485280 | - | Protected against polarity reversal |
| 5727485302 | Basic valve without coil | - |

| Part No. | ATEX | Weight |
|------------|---------------|----------|
| 5727480220 | - | 0.514 kg |
| 5727485280 | - | 0.52 kg |
| 5727485302 | ATEX optional | 0.327 kg |

Nominal flow Q_n at 6 bar and Δp = 1 bar

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

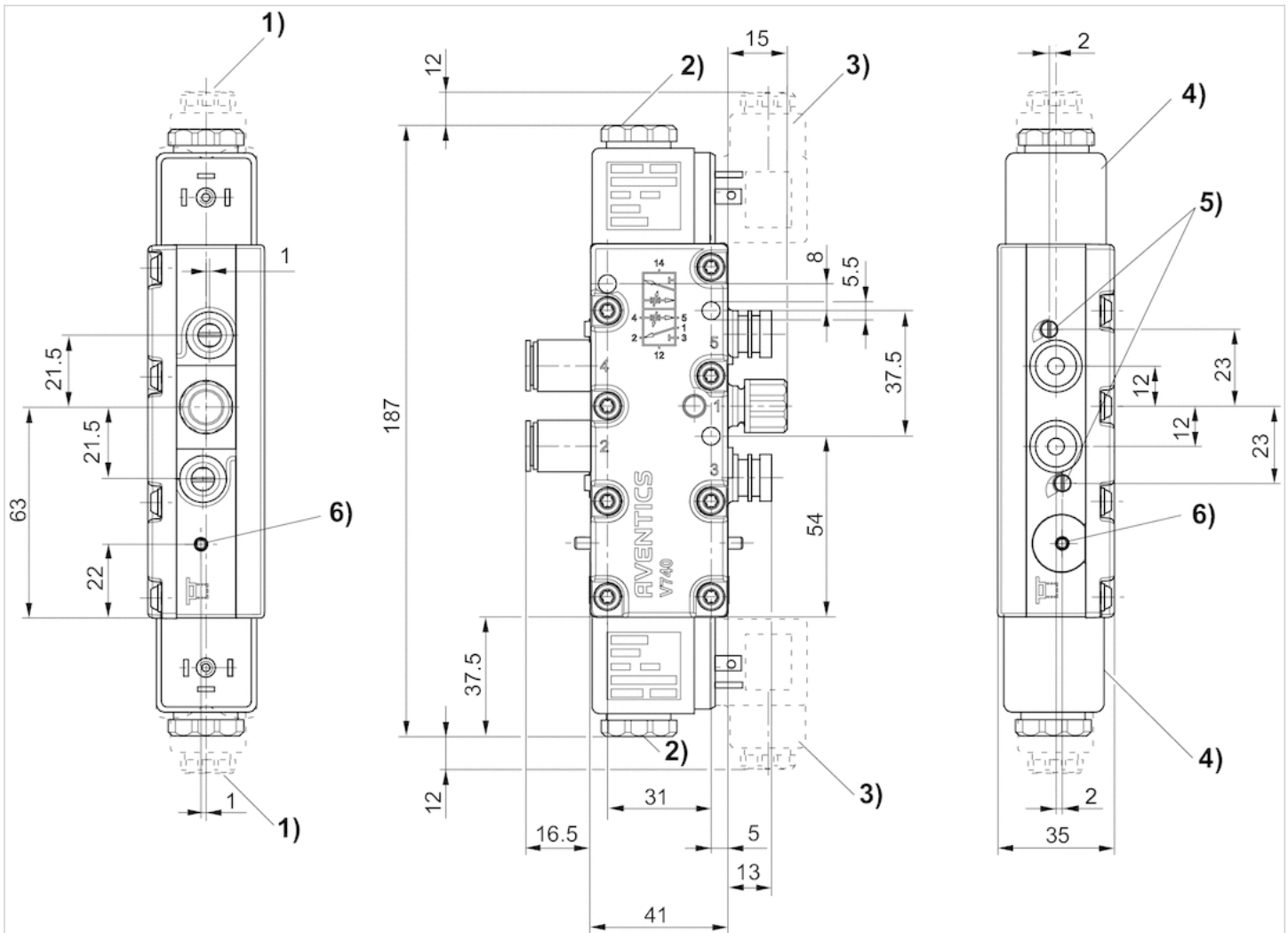
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



1) Gland fitting M16x1.52) M5 internal thread accessible under cap3) Valve plug connector can be rotated at 90° intervals4) Coil can be plugged at 45° intervals5) Flow control screw for exhausts 5 (R) and 3 (S)6) Manual override and position indicator

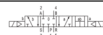

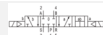

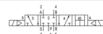

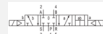

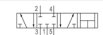

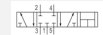













5/4-directional valve, Series 740

- ATEX optional
- 5/4
- $Q_n = 700-950 \text{ l/min}$
- closed center
- Pipe connection
- Compressed air connection output : $\varnothing 8 \times 1 \varnothing 10 \times 1$
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : without detent
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Working pressure min./max. | 3 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 μm |
| Oil content of compressed air | 0 ... 5 mg/m^3 |
| Nominal flow Q_n | See table below |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Typ. switch-on time | 20 ms |
| Typ. switch-off time | 54 ms |
| Mounting on manifold strip | PRS strip |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|---|---------------------------|--------|
| | | | | Input |
| 5727500220 |  |  | closed center | Ø 8x1 |
| 5727550220 |  |  | closed center | Ø 10x1 |
| 5727505280 |  |  | closed center | Ø 8x1 |
| 5727555280 |  |  | closed center | Ø 10x1 |
| 5727505302 |  |  | closed center | Ø 8x1 |
| 5727555302 |  |  | closed center | Ø 10x1 |
| 5727510220 |  |  | - | Ø 8x1 |
| 5727515280 |  |  | - | Ø 8x1 |
| 5727560920 |  |  | - | Ø 10x1 |
| 5727515302 |  |  | - | Ø 8x1 |
| 5727565280 |  |  | - | Ø 10x1 |
| 5727565302 |  |  | - | Ø 10x1 |

| Part No. | Compressed air connection | |
|------------|---------------------------|---------|
| | Output | Exhaust |
| 5727500220 | Ø 8x1 | M14x1 |
| 5727550220 | Ø 10x1 | M14x1 |
| 5727505280 | Ø 8x1 | M14x1 |
| 5727555280 | Ø 10x1 | M14x1 |
| 5727505302 | Ø 8x1 | M14x1 |
| 5727555302 | Ø 10x1 | M14x1 |
| 5727510220 | Ø 8x1 | M14x1 |
| 5727515280 | Ø 8x1 | M14x1 |
| 5727560920 | Ø 10x1 | M14x1 |
| 5727515302 | Ø 8x1 | M14x1 |
| 5727565280 | Ø 10x1 | M14x1 |
| 5727565302 | Ø 10x1 | M14x1 |

| Part No. | Operational voltage | | |
|------------|---------------------|----------|----------|
| | DC | AC 50 Hz | AC 60 Hz |
| 5727500220 | 24 V | - | - |
| 5727550220 | 24 V | - | - |
| 5727505280 | - | 230 V | 230 V |
| 5727555280 | - | 230 V | 230 V |
| 5727505302 | - | - | - |
| 5727555302 | - | - | - |
| 5727510220 | 24 V | - | - |
| 5727515280 | - | 230 V | 230 V |
| 5727560920 | 24 V | - | - |
| 5727515302 | - | - | - |
| 5727565280 | - | 230 V | 230 V |
| 5727565302 | - | - | - |

| Part No. | Voltage tolerance | | | Power consumption |
|------------|-------------------|----------|----------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| 5727500220 | -10% / +10% | - | - | 2.1 W |

| Part No. | Voltage tolerance | Voltage tolerance | Voltage tolerance | Power consumption |
|------------|-------------------|-------------------|-------------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| 5727550220 | -10% / +10% | - | - | 2.1 W |
| 5727505280 | - | -20% / +10% | -10% / +20% | - |
| 5727555280 | - | -20% / +10% | -10% / +20% | - |
| 5727505302 | - | - | - | - |
| 5727555302 | - | - | - | - |
| 5727510220 | -10% / +10% | - | - | 2.1 W |
| 5727515280 | - | -20% / +10% | -10% / +20% | - |
| 5727560920 | -10% / +10% | - | - | 2.1 W |
| 5727515302 | - | - | - | - |
| 5727565280 | - | -20% / +10% | -10% / +20% | - |
| 5727565302 | - | - | - | - |

| Part No. | Holding power | Holding power | Switch-on power | Switch-on power | Nominal flow Qn |
|------------|---------------|---------------|-----------------|-----------------|-----------------|
| | AC 50 Hz | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| 5727500220 | - | - | - | - | 700 l/min |
| 5727550220 | - | - | - | - | 950 l/min |
| 5727505280 | 4.18 VA | 3.3 VA | 6.6 VA | 5.5 VA | 700 l/min |
| 5727555280 | 4.18 VA | 3.3 VA | 6.6 VA | 5.5 VA | 950 l/min |
| 5727505302 | - | - | - | - | 700 l/min |
| 5727555302 | - | - | - | - | 950 l/min |
| 5727510220 | - | - | - | - | 700 l/min |
| 5727515280 | - | - | - | - | 700 l/min |
| 5727560920 | - | - | - | - | 950 l/min |
| 5727515302 | - | - | - | - | 700 l/min |
| 5727565280 | - | - | - | - | 950 l/min |
| 5727565302 | - | - | - | - | 950 l/min |

| Part No. | Compatibility index | Valve plug connector | basic valve with electrical connector |
|------------|---------------------|------------------------------|---------------------------------------|
| 5727500220 | 13 14 | With valve plug connector | - |
| 5727550220 | 13 14 | With valve plug connector | - |
| 5727505280 | 14 | With valve plug connector | - |
| 5727555280 | 14 | With valve plug connector | - |
| 5727505302 | 14 | - | Basic valve without coil |
| 5727555302 | 14 | - | Basic valve without coil |
| 5727510220 | 13 14 | With valve plug connector | - |
| 5727515280 | 14 | With valve plug connector | - |
| 5727560920 | 14 | Without valve plug connector | - |
| 5727515302 | 14 | - | Basic valve without coil |
| 5727565280 | 14 | With valve plug connector | - |
| 5727565302 | 14 | - | Basic valve without coil |

| Part No. | Reverse polarity protection | ATEX | Weight | Fig. |
|------------|-------------------------------------|---------------|----------|--------|
| 5727500220 | Protected against polarity reversal | - | 0.551 kg | Fig. 1 |
| 5727550220 | Protected against polarity reversal | - | 0.547 kg | Fig. 1 |
| 5727505280 | Protected against polarity reversal | - | 0.541 kg | Fig. 1 |
| 5727555280 | Protected against polarity reversal | - | 0.539 kg | Fig. 1 |
| 5727505302 | - | ATEX optional | 0.318 kg | Fig. 1 |

| Part No. | Reverse polarity protection | ATEX | Weight | Fig. |
|------------|-------------------------------------|---------------|----------|--------|
| 5727555302 | - | ATEX optional | 0.317 kg | Fig. 1 |
| 5727510220 | Protected against polarity reversal | - | 0.547 kg | Fig. 1 |
| 5727515280 | Protected against polarity reversal | - | 0.539 kg | Fig. 1 |
| 5727560920 | Protected against polarity reversal | - | 0.551 kg | Fig. 2 |
| 5727515302 | - | ATEX optional | 0.317 kg | Fig. 1 |
| 5727565280 | Protected against polarity reversal | - | 0.541 kg | Fig. 1 |
| 5727565302 | - | ATEX optional | 0.318 kg | Fig. 1 |

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

NOTE:

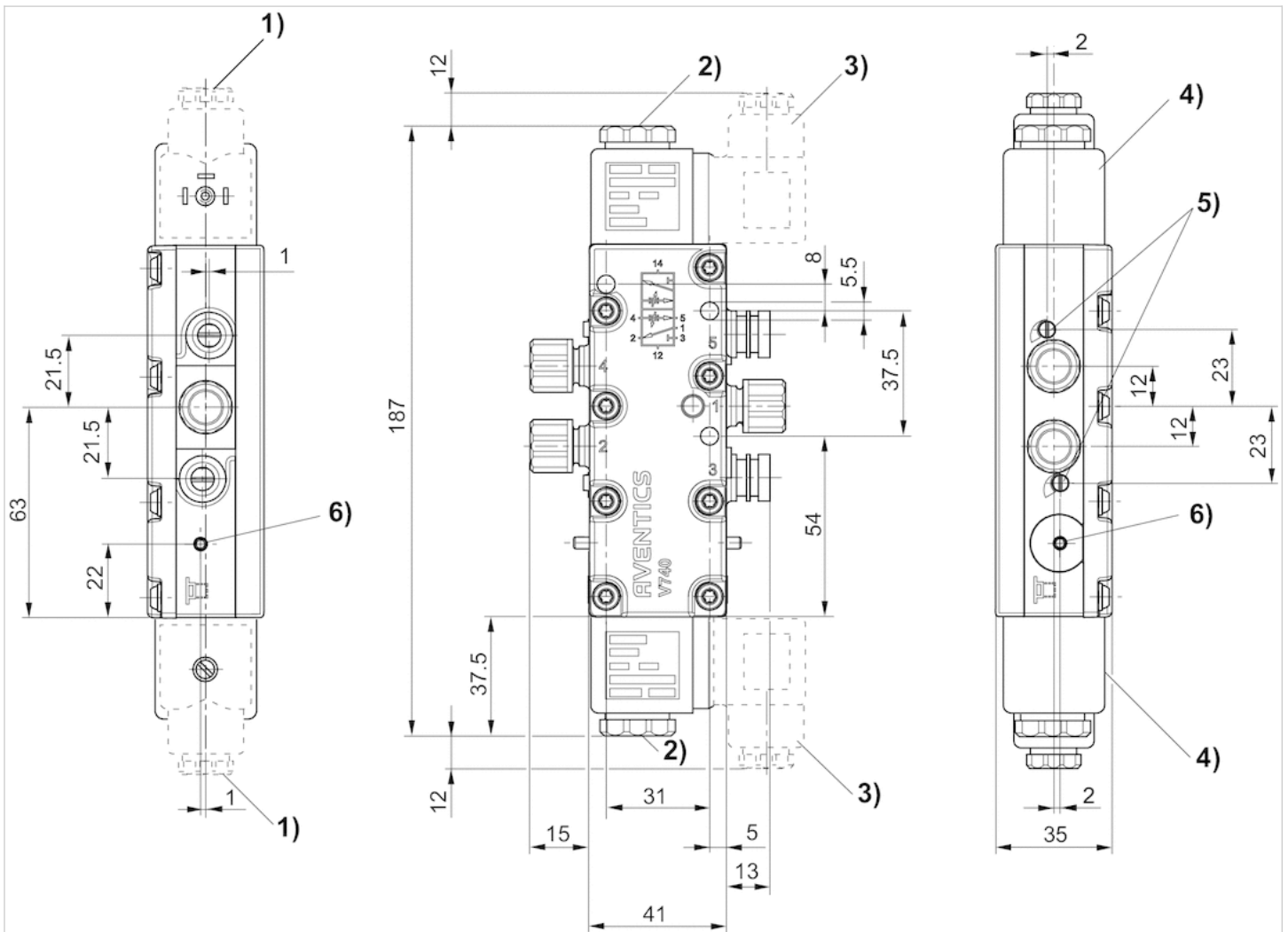
In order to ensure the operating function of the valve, do not fall below the minimum operating pressure of 3 bar !

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

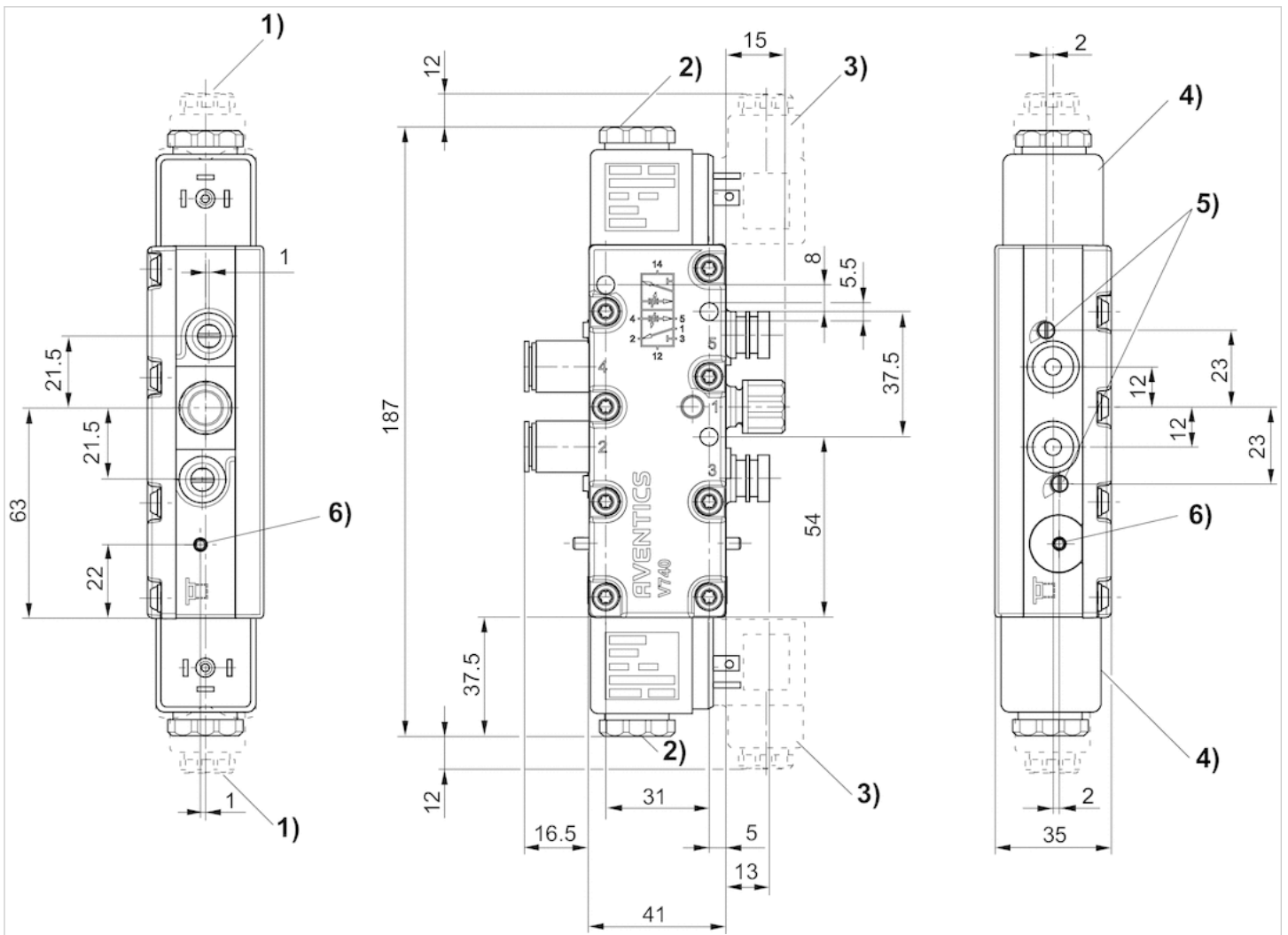
Dimensions

Dimensions, Fig. 1



- 1) gland fitting M16x1,5
- 2) M5 internal thread accessible under cap
- 3) el. connector can be fixed at 90° intervals
- 4) coil can be mounted at 45° intervals
- 5) throttle screw for exhausts 5 (R) and 3 (S)
- 6) manual override and position indicator

Dimensions, Fig. 2



1) Gland fitting M16x1.52) M5 internal thread accessible under cap3) Valve plug connector can be rotated at 90° intervals4) Coil can be plugged at 45° intervals5) Flow control screw for exhausts 5 (R) and 3 (S)6) Manual override and position indicator




5/2-directional valve, Series 740-CP

- ATEX optional
- 5/2
- Qn = 950 l/min
- Pipe connection
- Compressed air connection output : Ø 10x1
- Electrical connection : Plug, EN 175301-803, form A
- -25 °C cold-resistant
- corrosion-protected
- Can be assembled into blocks
- Manual override : with detent, without detent
- single solenoid
- With air spring return
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Working pressure min./max. | 2 ... 10 bar |
| Ambient temperature min./max. | -25 ... 50 °C |
| Medium temperature min./max. | -25 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Nominal flow Qn | 950 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Typ. switch-on time | 17 ms |
| Typ. switch-off time | 24 ms |
| Mounting on manifold strip | PRS strip |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|----|---------------------------|--------|
| | | | Input | Output |
| 5727940220 |  | | Ø 10x1 | Ø 10x1 |
| 5727945280 |  | | Ø 10x1 | Ø 10x1 |
| 5727945302 |  | | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Operational voltage | Operational voltage |
|------------|---------------------------|--|---------------------|---------------------|
| | Exhaust | | DC | AC 50 Hz |
| 5727940220 | M14x1 | | 24 V | - |
| 5727945280 | M14x1 | | - | 230 V |
| 5727945302 | M14x1 | | - | - |

| Part No. | Operational voltage | Voltage tolerance | | |
|------------|---------------------|-------------------|-------------|-------------|
| | | DC | AC 50 Hz | AC 60 Hz |
| 5727940220 | - | -10% / +10% | - | - |
| 5727945280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727945302 | - | - | - | - |

| Part No. | Power consumption | | Holding power | Holding power | Switch-on power |
|------------|-------------------|----------|---------------|---------------|-----------------|
| | DC | AC 50 Hz | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727940220 | 2.1 W | - | - | - | - |
| 5727945280 | 2.1 W | 4.18 VA | 3.3 VA | 6.6 VA | |
| 5727945302 | 2.1 W | - | - | - | - |

| Part No. | Switch-on power | Compatibility index | Throttle | Valve plug connector |
|------------|-----------------|---------------------|---------------|------------------------------|
| | AC 60 Hz | | | |
| 5727940220 | - | 13 14 | with throttle | Without valve plug connector |
| 5727945280 | 5.5 VA | 14 | with throttle | Without valve plug connector |
| 5727945302 | - | 14 | with throttle | - |

| Part No. | basic valve with electrical connector | Reverse polarity protection |
|------------|---------------------------------------|-------------------------------------|
| 5727940220 | - | Protected against polarity reversal |
| 5727945280 | - | Protected against polarity reversal |
| 5727945302 | Basic valve without coil | - |

| Part No. | ATEX | Weight |
|------------|---------------|----------|
| 5727940220 | - | 0.326 kg |
| 5727945280 | - | 0.328 kg |
| 5727945302 | ATEX optional | 0.228 kg |

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

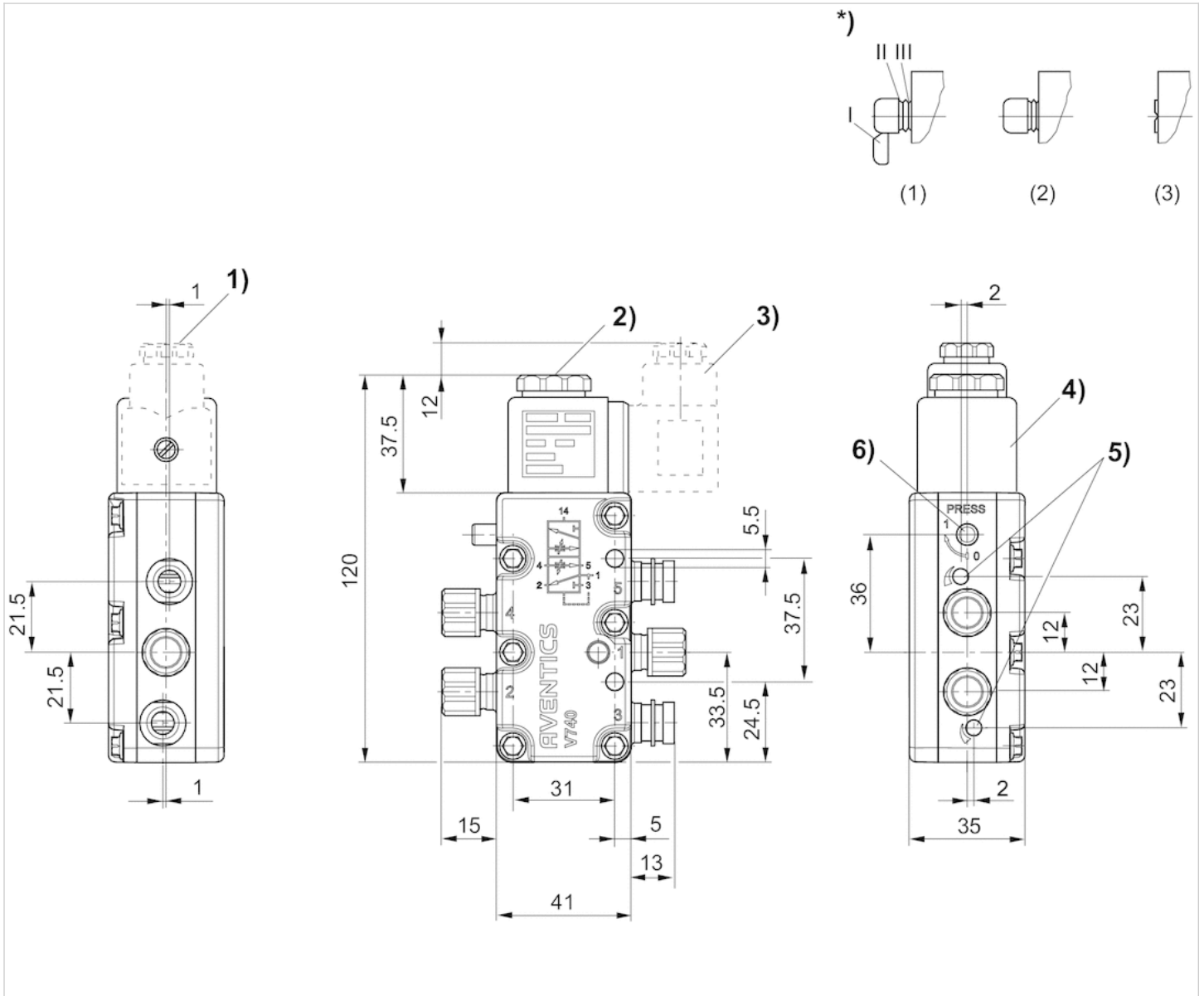
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

| Material | |
|-------------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |
| Front plate | Polyarylamide |

Dimensions

Dimensions



- 1) Gland fitting M16x1.52) M5 internal thread accessible under cap
 3) Valve plug connector can be rotated at 90° intervals
 4) Coil can be plugged at 45° intervals
 5) Flow control screw for exhausts 5 (R) and 3 (S)
 6) Manual override and position indicator
 *) Manual override: Manual actuation: (1) with detent - push and turn into position 1 (2) without detent - remove segment I - push only
 Actuation with tool: (3) with detent - remove segments up to II - push with tool and turn into position 1







5/2-directional valve, Series 740-CP

- ATEX optional
- 5/2
- Qn = 950 l/min
- Pipe connection
- Compressed air connection output : Ø 10x1
- Electrical connection : Plug, EN 175301-803, form A
- corrosion-protected
- Can be assembled into blocks
- Manual override : with detent
- double solenoid
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Working pressure min./max. | 2 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Nominal flow Qn | 950 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | See table below |
| Duty cycle | 100 % |
| Typ. switch-on time | 40 ms |
| Mounting on manifold strip | PRS strip |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|---|---------------------------|--------|
| | | | Input | Output |
| 5727920220 |  |  | Ø 10x1 | Ø 10x1 |
| 5727925280 |  |  | Ø 10x1 | Ø 10x1 |
| 5727925302 |  |  | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Operational voltage | Operational voltage |
|------------|---------------------------|--|---------------------|---------------------|
| | Exhaust | | DC | AC 50 Hz |
| 5727920220 | M14x1 | | 24 V | - |
| 5727925280 | M14x1 | | - | 230 V |
| 5727925302 | M14x1 | | - | - |

| Part No. | Operational voltage | Voltage tolerance | | |
|------------|---------------------|-------------------|-------------|-------------|
| | | DC | AC 50 Hz | AC 60 Hz |
| 5727920220 | - | -10% / +10% | - | - |
| 5727925280 | 230 V | - | -20% / +10% | -10% / +20% |
| 5727925302 | - | - | - | - |

| Part No. | Power consumption | | Holding power | Holding power | Switch-on power |
|------------|-------------------|--|---------------|---------------|-----------------|
| | DC | | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| 5727920220 | 2.1 W | | - | - | - |
| 5727925280 | 2.1 W | | 4.18 VA | 3.3 VA | 6.6 VA |
| 5727925302 | 2.1 W | | - | - | - |

| Part No. | Switch-on power | Compatibility index | Throttle | Valve plug connector |
|------------|-----------------|---------------------|---------------|------------------------------|
| | AC 60 Hz | | | |
| 5727920220 | - | 14 | with throttle | Without valve plug connector |
| 5727925280 | 5.5 VA | 14 | with throttle | Without valve plug connector |
| 5727925302 | - | 13 14 | with throttle | - |

| Part No. | basic valve with electrical connector | Reverse polarity protection |
|------------|---------------------------------------|-------------------------------------|
| 5727920220 | - | Protected against polarity reversal |
| 5727925280 | - | Protected against polarity reversal |
| 5727925302 | Basic valve without coil | - |

| Part No. | ATEX | Weight |
|------------|---------------|----------|
| 5727920220 | - | 0.52 kg |
| 5727925280 | - | 0.52 kg |
| 5727925302 | ATEX optional | 0.306 kg |

Nominal flow Qn at 6 bar and $\Delta p = 1$ bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

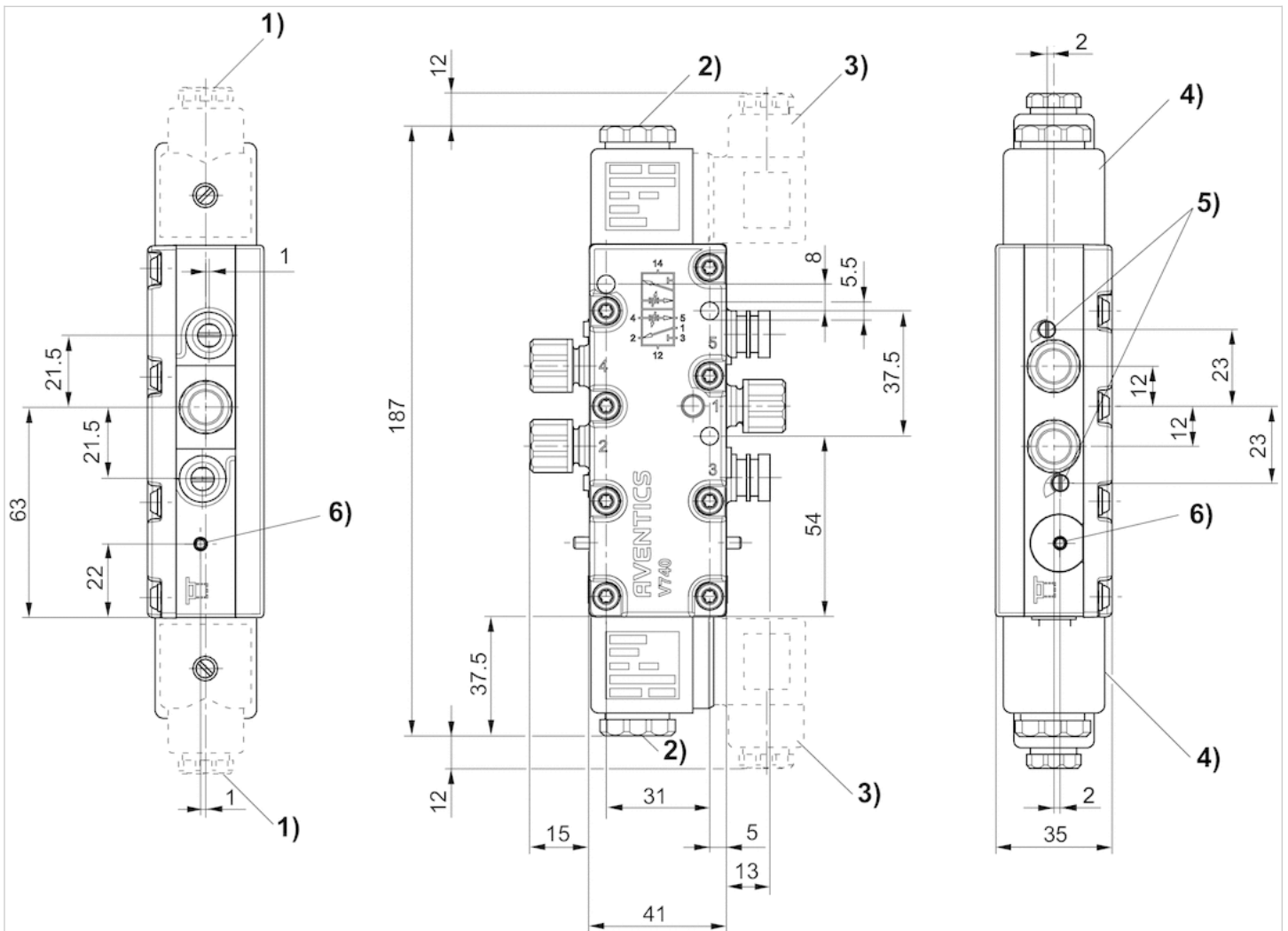
ATEX optional: ATEX version can be produced by combining the basic valve without coil with an ATEX coil. ATEX ID: see ATEX coils catalog page.

Technical information

| Material | |
|-------------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |
| Front plate | Polyarylamide |

Dimensions

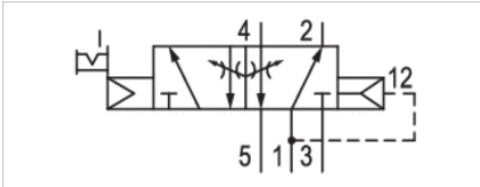
Dimensions



- 1) Gland fitting M16x1.52) M5 internal thread accessible under cap
- 3) Valve plug connector can be rotated at 90° intervals
- 4) Coil can be plugged at 45° intervals
- 5) Flow control screw for exhausts 5 (R) and 3 (S)
- 6) Manual override and position indicator


5/2-directional valve, Series 740-BV

- Basic valve without coil
- 5/2
- $Q_n = 700 \text{ l/min}$
- Pipe connection
- Electrical connection : Plug, EN 175301-803, form A
- $-25 \text{ }^\circ\text{C}$ cold-resistant
- Can be assembled into blocks
- Manual override : with detent
- single solenoid
- With air spring return
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle Plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | $-25 \dots 50 \text{ }^\circ\text{C}$ |
| Medium temperature min./max. | $-25 \dots 50 \text{ }^\circ\text{C}$ |
| Medium | Compressed air |
| Max. particle size | $50 \text{ }\mu\text{m}$ |
| Oil content of compressed air | $0 \dots 5 \text{ mg/m}^3$ |
| Nominal flow Q_n | 700 l/min |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | 14 |
| Duty cycle | 100 % |
| Typ. switch-on time | 16 ms |
| Typ. switch-off time | 35 ms |
| Mounting on manifold strip | PRS strip |
| Weight | 0.221 kg |

Technical data

| Part No. | MO | Compressed air connection | Operational voltage |
|------------|---|---------------------------|---------------------|
| | | Input | DC |
| R412009690 |  | Ø 8x1 | 24 V |

| Part No. | Operational voltage | Operational voltage | Voltage tolerance |
|------------|---------------------|---------------------|-------------------|
| | AC 50 Hz | AC 60 Hz | DC |
| R412009690 | 230 V | 230 V | -10% / +10% |

| Part No. | Voltage tolerance | Voltage tolerance | Power consumption | Holding power |
|------------|-------------------|-------------------|-------------------|---------------|
| | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz |
| R412009690 | -20% / +10% | -10% / +20% | 2.14 W | 4.18 VA |

| Part No. | Holding power | Switch-on power | Switch-on power | Throttle |
|------------|---------------|-----------------|-----------------|---------------|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| R412009690 | 3.3 VA | 6.6 VA | 5.5 VA | with throttle |

| Part No. | basic valve with electrical connector |
|------------|---------------------------------------|
| R412009690 | Basic valve without coil |

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override
order quantity 25 pcs.

Technical information

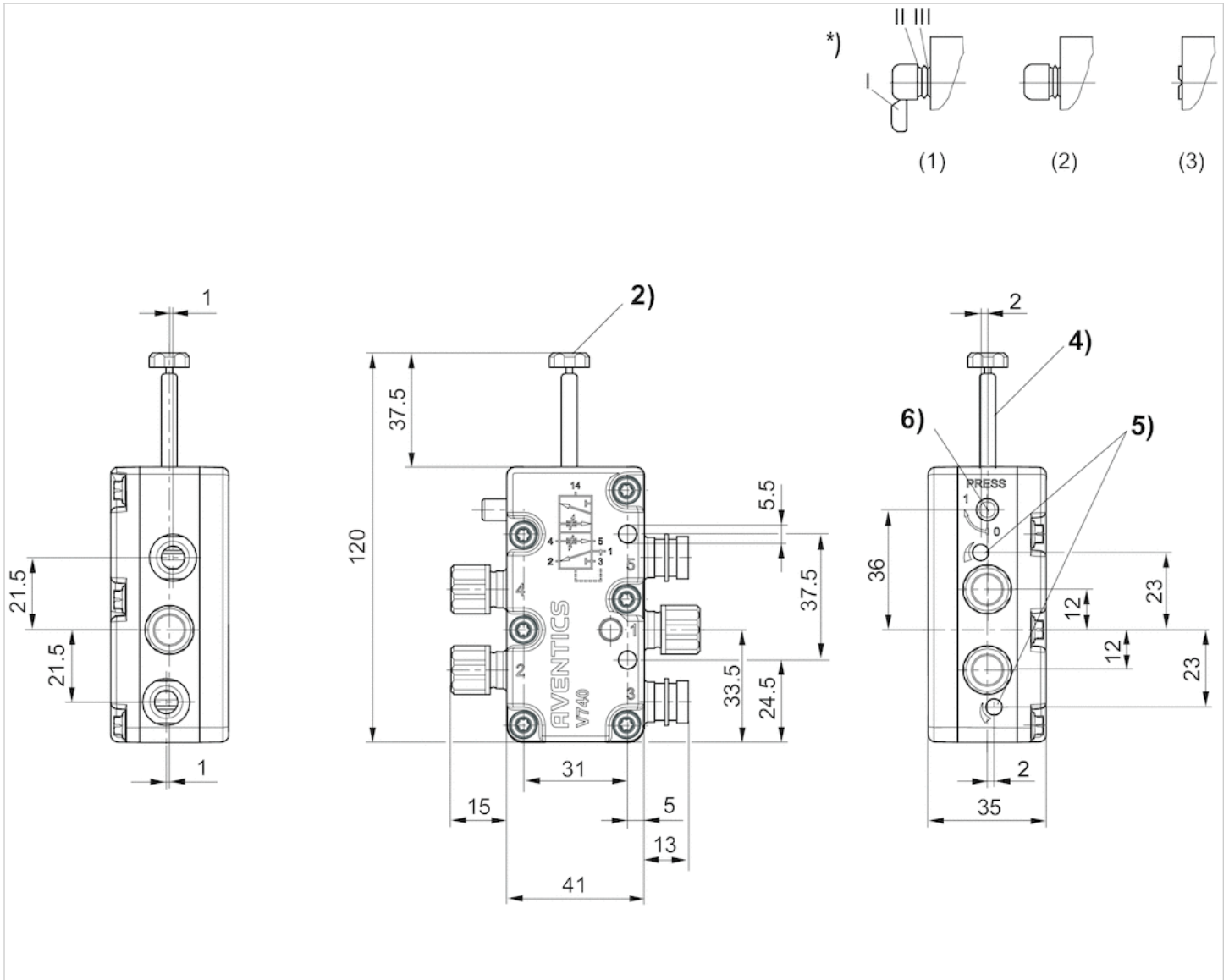
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).
Basic valve without coil

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene Polyarylamide |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



2) M 5 internal thread

4) coil can be plugged at 45° intervals

5) throttle screw for exhausts 5 (R) and 3 (S) (S)

6) manual override and position indicator

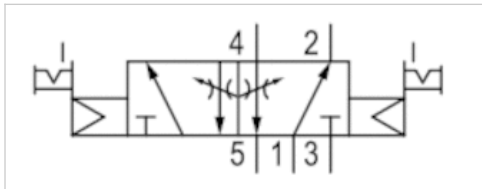
*) : manual override:

manual actuation: (1) with detent - push and turn into position 1 (2) without detent - remove segment 1 - push only

actuation by tool: (3) with detent - remove segments up to III - push with tool and turn into position 1


5/2-directional valve, Series 740-BV

- Basic valve without coil
- 5/2
- Qn = 700 l/min
- Pipe connection
- Electrical connection : Plug, EN 175301-803, form A
- -25 °C cold-resistant
- Can be assembled into blocks
- Manual override : with detent
- double solenoid
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle Plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -25 ... 50 °C |
| Medium temperature min./max. | -25 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m³ |
| Nominal flow Qn | 700 l/min |
| Connector standard | EN 175301-803, form A |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | 14 |
| Duty cycle | 100 % |
| Typ. switch-on time | 40 ms |
| Mounting on manifold strip | PRS strip |
| Weight | 0.319 kg |

Technical data

| Part No. | MO | Compressed air connection | Operational voltage |
|------------|---|---------------------------|---------------------|
| | | Input | DC |
| R412009671 |  | Ø 8x1 | 24 V |

| Part No. | Operational voltage | Operational voltage | Voltage tolerance |
|------------|---------------------|---------------------|-------------------|
| | AC 50 Hz | AC 60 Hz | DC |
| R412009671 | 230 V | 230 V | -10% / +10% |

| Part No. | Voltage tolerance | Voltage tolerance | Power consumption | Holding power |
|------------|-------------------|-------------------|-------------------|---------------|
| | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz |
| R412009671 | -20% / +10% | -10% / +20% | 2.14 W | 4.18 VA |

| Part No. | Holding power | Switch-on power | Switch-on power | Throttle |
|------------|---------------|-----------------|-----------------|---------------|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| R412009671 | 3.3 VA | 6.6 VA | 5.5 VA | with throttle |

| Part No. | basic valve with electrical connector |
|------------|---------------------------------------|
| R412009671 | Basic valve without coil |

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override
order quantity 25 pcs.

Technical information

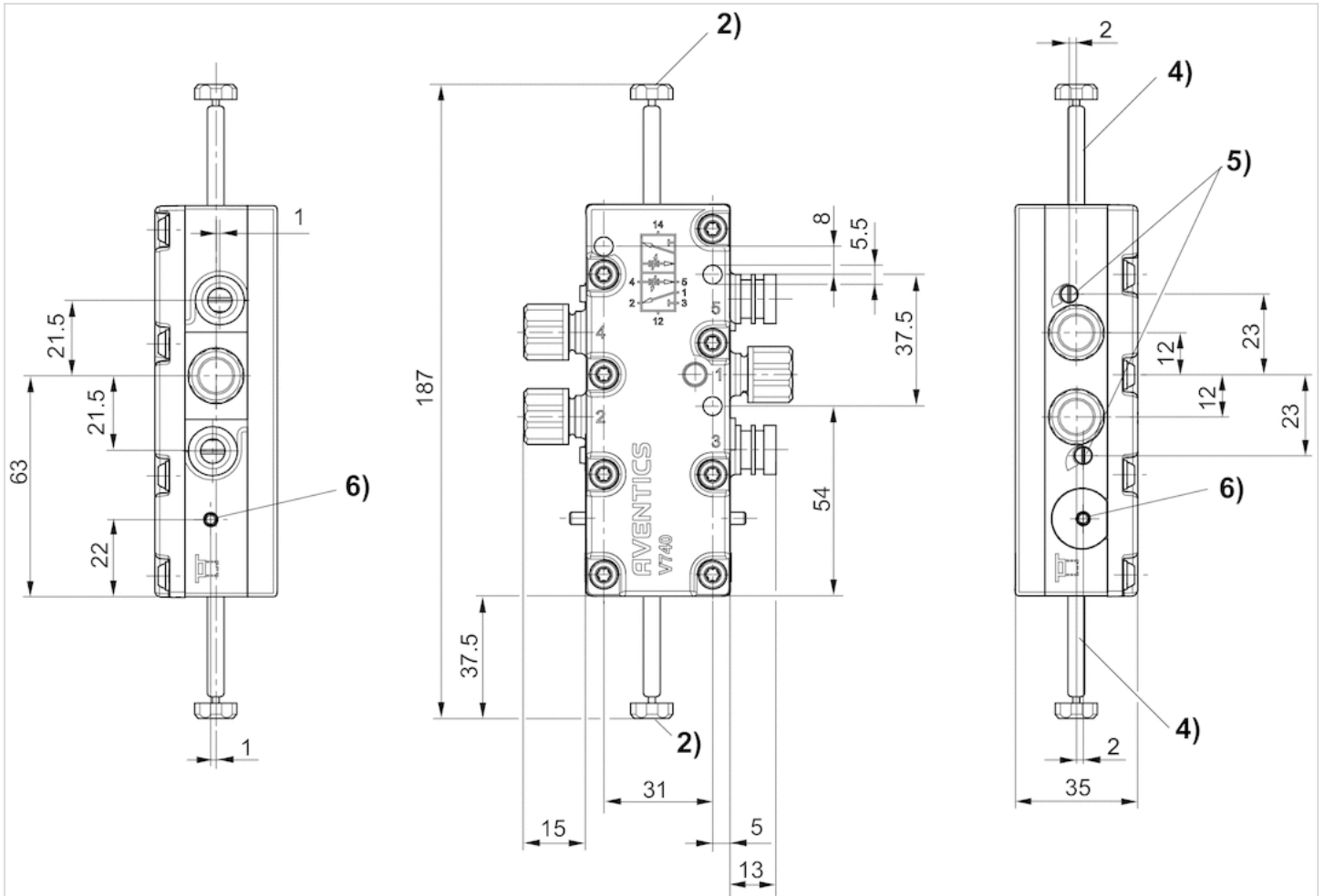
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

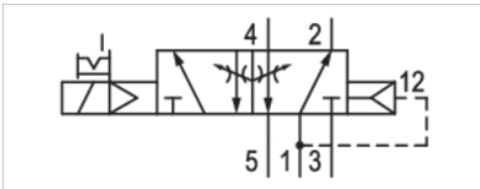
Dimensions



- 2) M 5 internal thread
- 4) coil can be plugged at 45° intervals
- 5) throttle screw for exhausts 5 (R) and 3 (S) (S)
- 6) manual override and position indicator

5/2-directional valve, Series 740-UL

- 5/2
- Qn = 700 l/min
- Pipe connection
- Compressed air connection output : 3/8"
- Electrical connection : Plug, EN 175301-803, form A
- -25 °C cold-resistant
- Can be assembled into blocks
- Manual override : with detent, without detent
- single solenoid
- With air spring return
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Certificates | UL (Underwriters Laboratories) |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -25 ... 50 °C |
| Medium temperature min./max. | -25 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Nominal flow Qn | 700 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | 14 |
| Duty cycle | 100 % |
| Typ. switch-on time | 17 ms |
| Typ. switch-off time | 24 ms |
| Mounting on manifold strip | PRS strip |
| Weight | 0.317 kg |

Technical data

| Part No. | MO | Compressed air connection | |
|------------|----------|---------------------------|--------|
| | | Input | Output |
| R432038437 | ITR-ITR- | 3/8" | 3/8" |
| R432038419 | | 3/8" | 3/8" |

| Part No. | Compressed air connection | | Operational voltage | Operational voltage |
|------------|---------------------------|--|---------------------|---------------------|
| | Exhaust | | DC | AC 50 Hz |
| R432038437 | M14x1 | | 24 V | - |
| R432038419 | M14x1 | | - | 110 V |

| Part No. | Operational voltage | Voltage tolerance | | Voltage tolerance |
|------------|---------------------|-------------------|-------------|-------------------|
| | AC 60 Hz | DC | AC 50 Hz | AC 60 Hz |
| R432038437 | - | -10% / +10% | - | - |
| R432038419 | 110 V | - | -10% / +10% | -10% / +10% |

| Part No. | Power consumption | | Holding power | Holding power | Switch-on power |
|------------|-------------------|----------|---------------|---------------|-----------------|
| | DC | AC 50 Hz | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| R432038437 | 2.7 W | | - | - | - |
| R432038419 | - | | 4.8 VA | 3.6 VA | 8 VA |

| Part No. | Switch-on power | | Throttle | Valve plug connector |
|------------|-----------------|--|---------------|------------------------------|
| | AC 60 Hz | | | |
| R432038437 | - | | with throttle | Without valve plug connector |
| R432038419 | 6.5 VA | | with throttle | Without valve plug connector |

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

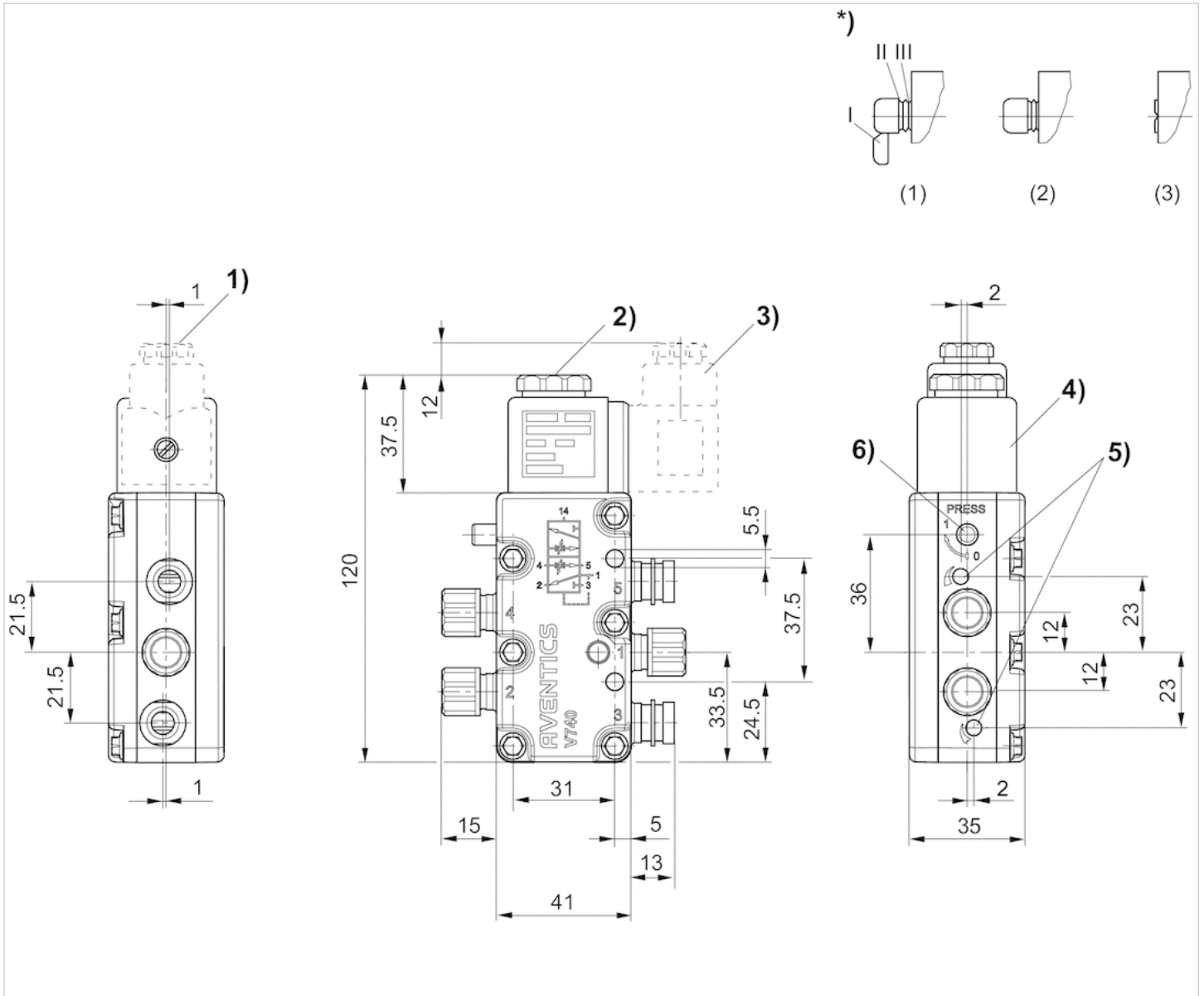
UL recognized solenoid coils with cURus mark

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

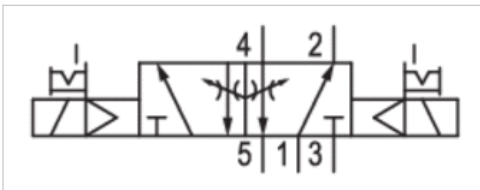
Dimensions



1) Gland fitting M16x1.52) M5 internal thread accessible under cap3) Valve plug connector can be rotated at 90° intervals (not included in scope of delivery) 4) Coil can be plugged at 45° intervals5) Flow control screw for exhausts 5 (R) and 3 (S)6) Manual override and position indicator*): Manual override:Manual actuation: (1) with detent - push and turn into position 1 (2) without detent - remove segment I - push onlyActuation with tool: (3) with detent - remove segments up to II - push with tool and turn into position 1

5/2-directional valve, Series 740-UL

- 5/2
- Qn = 700 l/min
- Pipe connection
- Compressed air connection output : 3/8"
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- double solenoid
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Certificates | UL (Underwriters Laboratories) |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Nominal flow Qn | 700 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | 14 |
| Duty cycle | 100 % |
| Typ. switch-on time | 40 ms |
| Typ. switch-off time | 40 ms |
| Mounting on manifold strip | PRS strip |
| Weight | 0.505 kg |

Technical data

| Part No. | MO | Compressed air connection | |
|------------|----------|---------------------------|--------|
| | | Input | Output |
| R432038438 | ITR-ITR- | 3/8" | 3/8" |
| R432038420 | | 3/8" | 3/8" |

| Part No. | Compressed air connection | | Operational voltage | Operational voltage |
|------------|---------------------------|--|---------------------|---------------------|
| | Exhaust | | DC | AC 50 Hz |
| R432038438 | M14x1 | | 24 V | - |
| R432038420 | M14x1 | | - | 110 V |

| Part No. | Operational voltage | Voltage tolerance | | Voltage tolerance |
|------------|---------------------|-------------------|-------------|-------------------|
| | AC 60 Hz | DC | AC 50 Hz | AC 60 Hz |
| R432038438 | - | -10% / +10% | - | - |
| R432038420 | 110 V | - | -10% / +10% | -10% / +10% |

| Part No. | Power consumption | | Holding power | Holding power | Switch-on power |
|------------|-------------------|----------|---------------|---------------|-----------------|
| | DC | AC 50 Hz | AC 50 Hz | AC 60 Hz | AC 50 Hz |
| R432038438 | 2.7 W | | - | - | - |
| R432038420 | - | | 4.8 VA | 3.6 VA | 8 VA |

| Part No. | Switch-on power | | Throttle | Valve plug connector |
|------------|-----------------|--|---------------|------------------------------|
| | AC 60 Hz | | | |
| R432038438 | - | | with throttle | Without valve plug connector |
| R432038420 | 6.5 VA | | with throttle | Without valve plug connector |

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

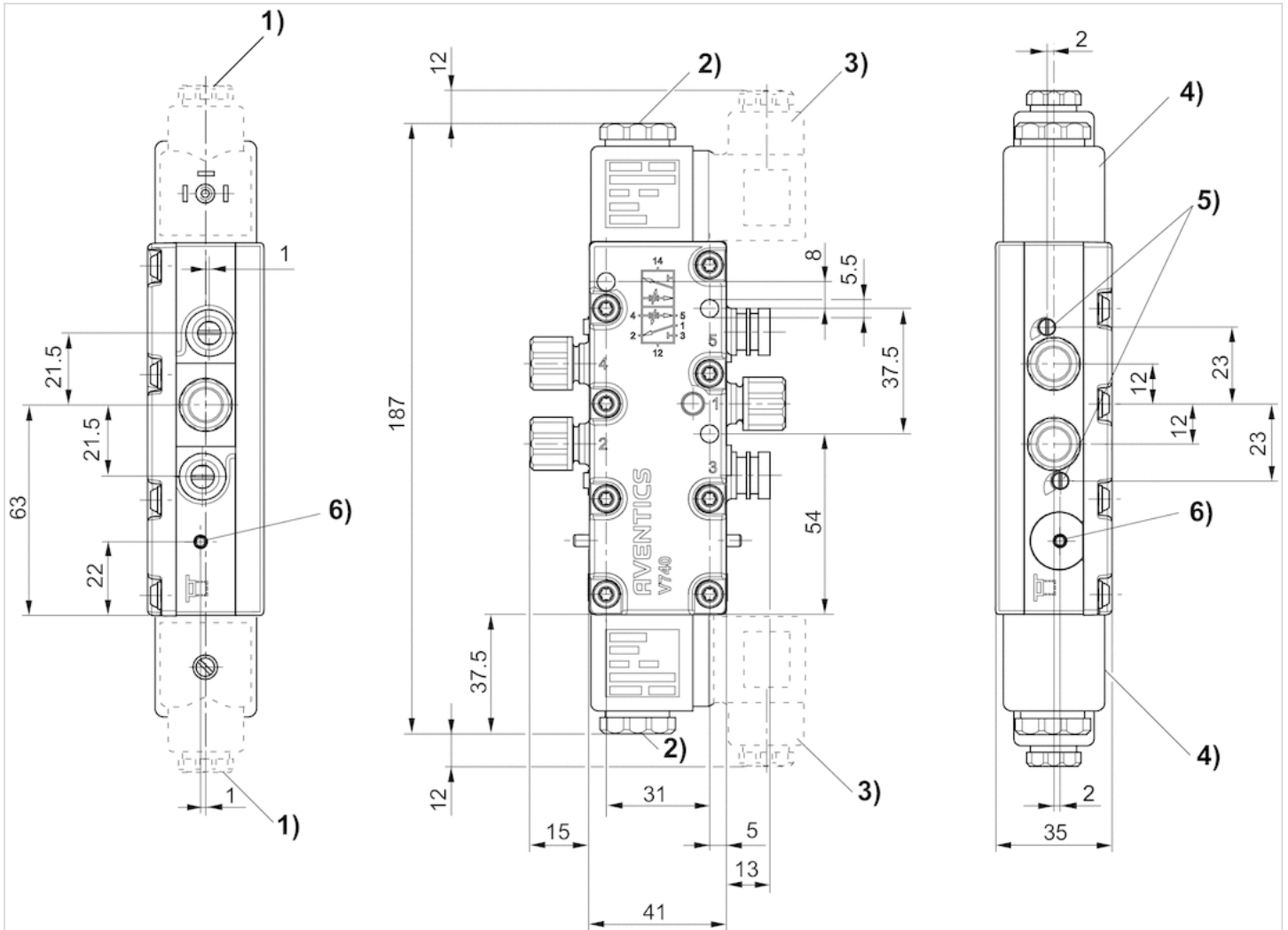
UL recognized solenoid coils with cURus mark

Technical information

| Material | |
|----------|---|
| Housing | Polyoxymethylene Polyoxymethylene Polyarylamide |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

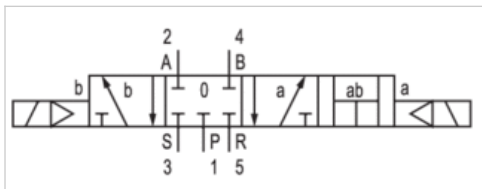
Dimensions



- 1) 1) Gland fitting M16x1.52) M5 internal thread accessible under cap
- 3) Valve plug connector can be rotated at 90° intervals (not included in scope of delivery)
- 4) Coil can be plugged at 45° intervals
- 5) Flow control screw for exhausts 5 (R) and 3 (S)
- 6) Manual override and position indicator



5/4-directional valve, Series 740-UL

- 5/3
- Qn = 700 l/min
- closed center
- Pipe connection
- Compressed air connection output : 3/8"
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- double solenoid
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Certificates | UL (Underwriters Laboratories) |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m³ |
| Nominal flow Qn | 700 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | 14 |
| Duty cycle | 100 % |
| Typ. switch-on time | 20 ms |
| Typ. switch-off time | 54 ms |
| Mounting on manifold strip | PRS strip |
| Weight | 0.501 kg |

Technical data

| Part No. | MO | | Compressed air connection | |
|------------|----|---|---------------------------|-------|
| | | | | Input |
| R432038439 | |  | closed center | 3/8" |
| R432038421 | |  | closed center | 3/8" |

| Part No. | Compressed air connection | | Compressed air connection |
|------------|---------------------------|--|---------------------------|
| | Output | | Exhaust |
| R432038439 | 3/8" | | M14x1 |
| R432038421 | 3/8" | | M14x1 |

| Part No. | Operational voltage | | Operational voltage | Operational voltage |
|------------|---------------------|--|---------------------|---------------------|
| | DC | | AC 50 Hz | AC 60 Hz |
| R432038439 | 24 V | | - | - |
| R432038421 | - | | 110 V | 110 V |

| Part No. | Voltage tolerance | Voltage tolerance | Voltage tolerance | Power consumption |
|------------|-------------------|-------------------|-------------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| R432038439 | -10% / +10% | - | - | 2.7 W |
| R432038421 | - | -10% / +10% | -10% / +10% | - |

| Part No. | Holding power | Holding power | Switch-on power | Switch-on power | Throttle |
|------------|---------------|---------------|-----------------|-----------------|---------------|
| | AC 50 Hz | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| R432038439 | - | - | - | - | with throttle |
| R432038421 | 4.8 VA | 3.6 VA | 8 VA | 6.5 VA | with throttle |

| Part No. | Valve plug connector |
|------------|------------------------------|
| R432038439 | Without valve plug connector |
| R432038421 | Without valve plug connector |

Nominal flow Q_n at 6 bar and $\Delta p = 1$ bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

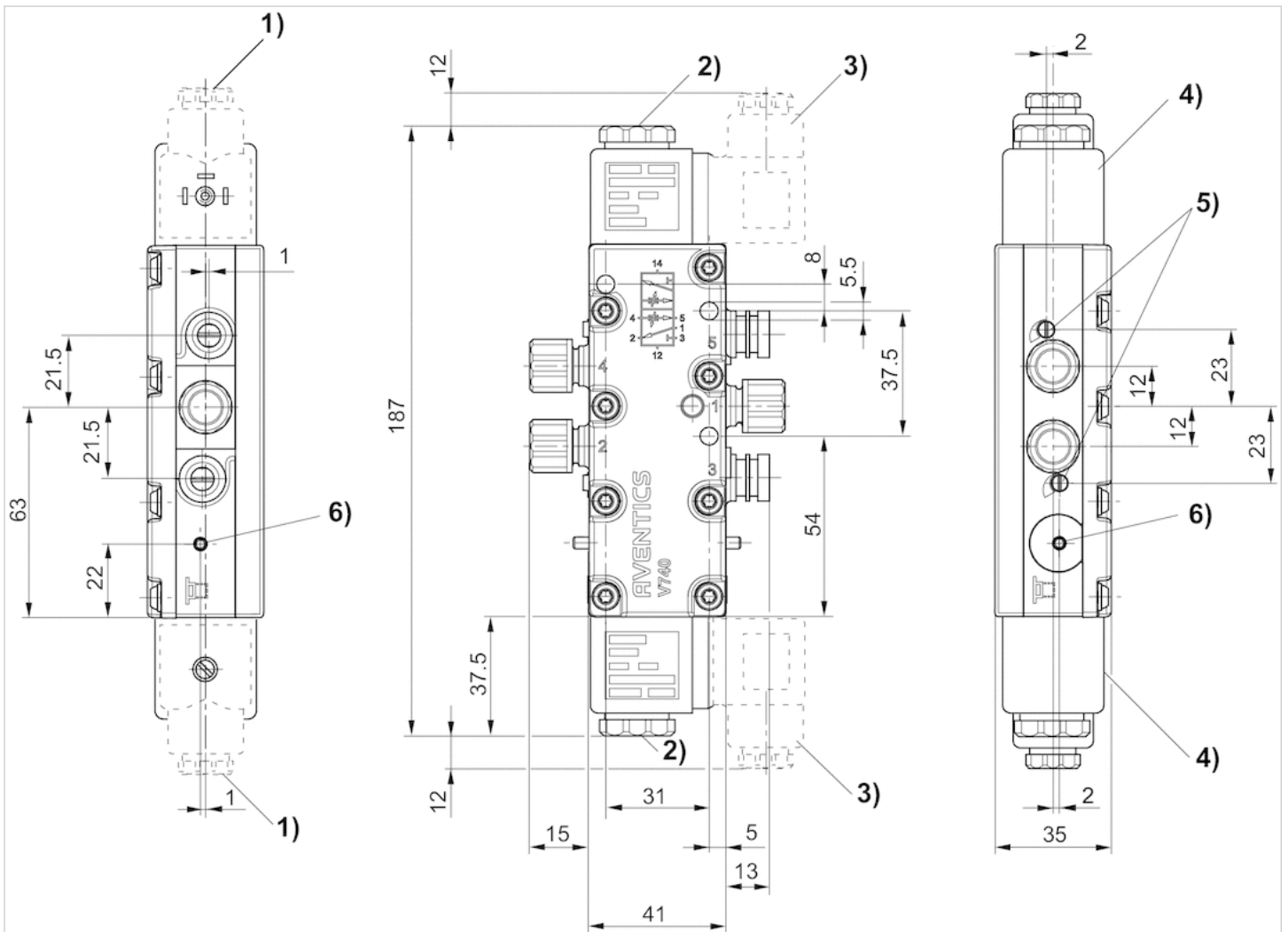
UL recognized solenoid coils with cURus mark

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

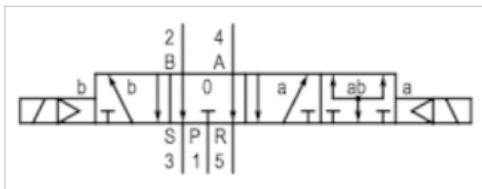
Dimensions



- 1) Gland fitting M16x1.52) M5 internal thread accessible under cap
- 3) Valve plug connector can be rotated at 90° intervals (not included in scope of delivery)
- 4) Coil can be plugged at 45° intervals
- 5) Flow control screw for exhausts 5 (R) and 3 (S)
- 6) Manual override and position indicator



5/4-directional valve, Series 740-UL

- 5/4
- Qn = 700 l/min
- pressurized center
- Pipe connection
- Compressed air connection output : 3/8"
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- double solenoid
- Pilot : Internal



| | |
|----------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | Electrically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Plate principle Single base plate principle |
| Certificates | UL (Underwriters Laboratories) |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -15 ... 50 °C |
| Medium temperature min./max. | -15 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m³ |
| Nominal flow Qn | 700 l/min |
| Connector standard | EN 175301-803:2006 |
| Protection class with connection | IP65 |
| Reverse polarity protection | Protected against polarity reversal |
| Compatibility index | 14 |
| Duty cycle | 100 % |
| Typ. switch-on time | 20 ms |
| Typ. switch-off time | 54 ms |
| Mounting on manifold strip | PRS strip |
| Weight | 0.497 kg |

Technical data

| Part No. | MO | | Compressed air connection | |
|------------|----|---|---------------------------|-------|
| | | | | Input |
| R432038440 | |  | pressurized center | 3/8" |
| R432038422 | |  | pressurized center | 3/8" |

| Part No. | Compressed air connection | | Compressed air connection |
|------------|---------------------------|--|---------------------------|
| | Output | | Exhaust |
| R432038440 | 3/8" | | M14x1 |
| R432038422 | 3/8" | | M14x1 |

| Part No. | Operational voltage | | Operational voltage | Operational voltage |
|------------|---------------------|--|---------------------|---------------------|
| | DC | | AC 50 Hz | AC 60 Hz |
| R432038440 | 24 V | | - | - |
| R432038422 | - | | 110 V | 110 V |

| Part No. | Voltage tolerance | Voltage tolerance | Voltage tolerance | Power consumption |
|------------|-------------------|-------------------|-------------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| R432038440 | -10% / +10% | - | - | 2.7 W |
| R432038422 | - | -10% / +10% | -10% / +10% | - |

| Part No. | Holding power | Holding power | Switch-on power | Switch-on power | Throttle |
|------------|---------------|---------------|-----------------|-----------------|---------------|
| | AC 50 Hz | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| R432038440 | - | - | - | - | with throttle |
| R432038422 | 4.8 VA | 3.6 VA | 8 VA | 6.5 VA | with throttle |

| Part No. | Valve plug connector |
|------------|------------------------------|
| R432038440 | Without valve plug connector |
| R432038422 | Without valve plug connector |

Nominal flow Q_n at 6 bar and Δp = 1 bar, MO = Manual override

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

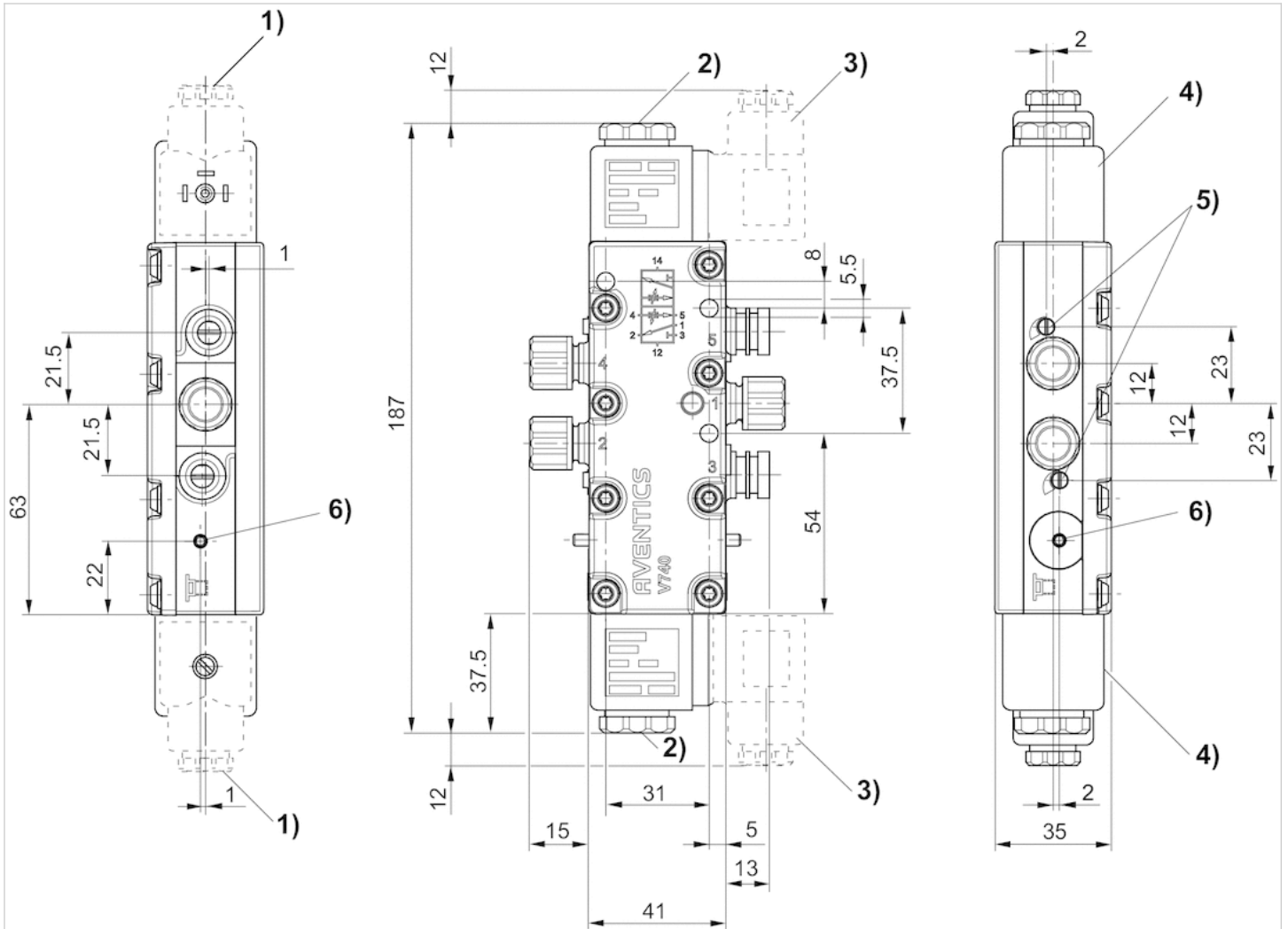
UL recognized solenoid coils with cURus mark

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



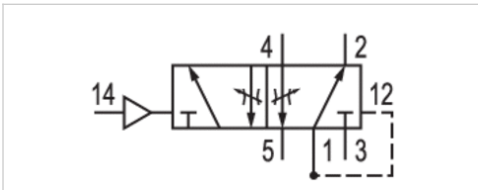
1) Gland fitting M16x1.52) M5 internal thread accessible under cap3) Valve plug connector can be rotated at 90° intervals (not included in scope of delivery) 4) Coil can be plugged at 45° intervals5) Flow control screw for exhausts 5 (R) and 3 (S)6) Manual override and position indicator

5/2-directional valve, Series 740

- Qn = 700-950 l/min
- Compressed air connection output Ø 8x1 Ø 10x1
- Pipe connection
- Can be assembled into blocks
- Manual override without
- suitable for ATEX



| | |
|-------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | pneumatically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle Plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -15 ... 60 °C |
| Medium temperature min./max. | -15 ... 60 °C |
| Medium | Compressed air |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Mounting on manifold strip | PRS strip |
| Weight | 0.18 kg |



Technical data

| Part No. | Compressed air connection | |
|------------|---------------------------|--------|
| | Input | Output |
| 5717400000 | Ø 8x1 | Ø 8x1 |
| 5717450000 | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Flow Qn |
|------------|---------------------------|-----------------------|------------|
| | Exhaust | Pilot control exhaust | |
| 5717400000 | M14x1 | Ø 8x1 | 700 l/min |
| 5717450000 | M14x1 | Ø 8x1 | 950 l/min |

| Part No. | Throttle |
|------------|---------------|
| 5717400000 | with throttle |
| 5717450000 | with throttle |

Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar

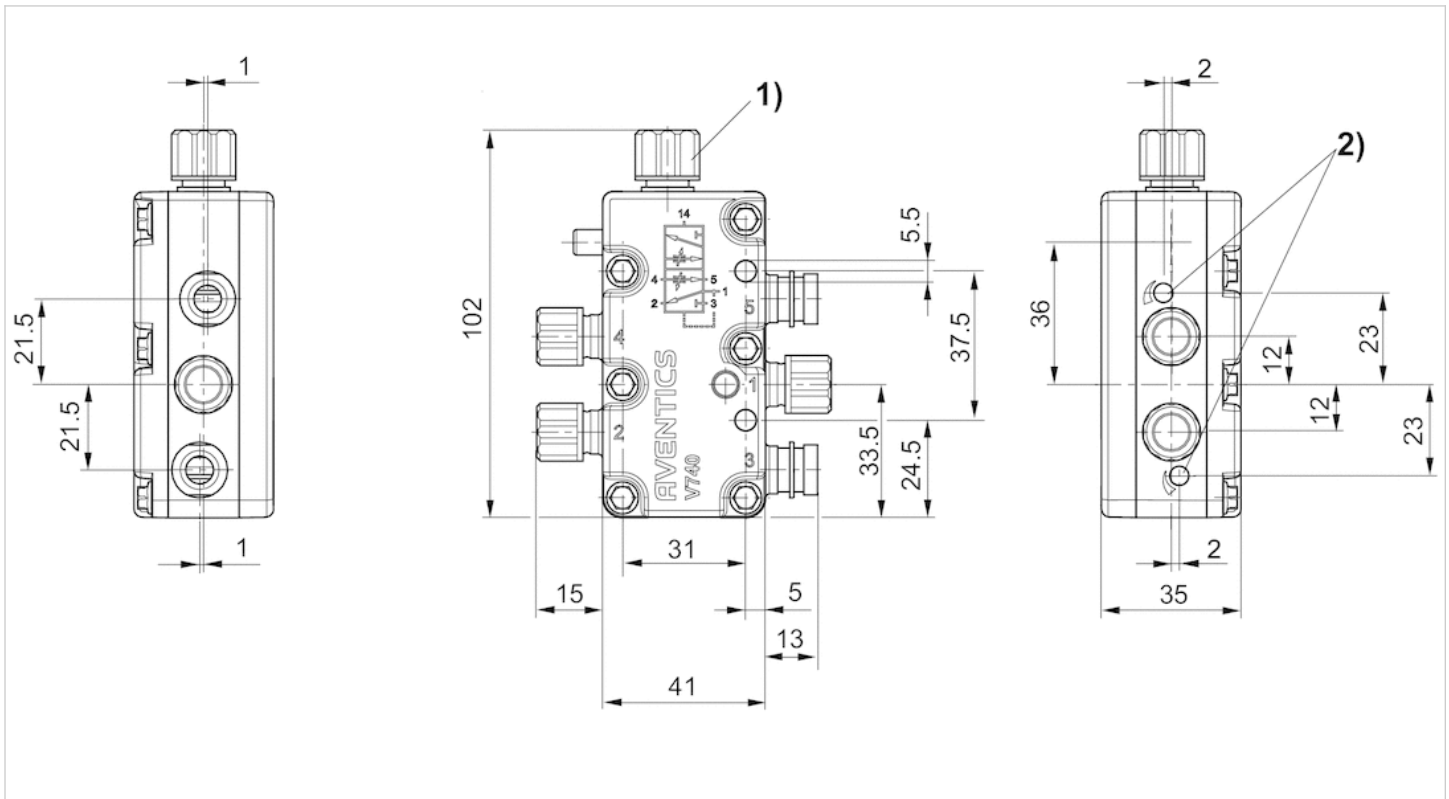
Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

| Material | |
|----------|--------------------------------|
| Housing | Polyarylamide Polyarylamide |
| Seals | Acrylonitrile butadiene rubber |

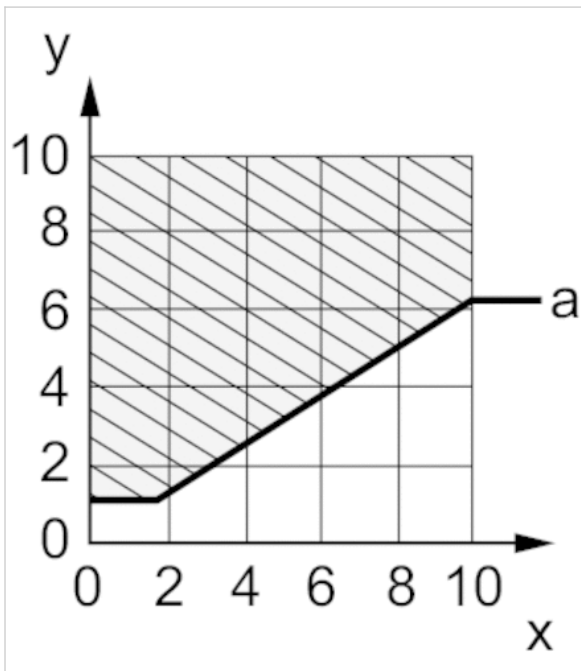
Dimensions



- 1) for pipe Ø 8 x 1
- 2) flow control screw for exhausts 5 (R) and 3 (S)

Diagrams

Pilot pressure range



x: Working pressure (0 bar ... 10 bar)

y: Pilot pressure (1 bar ... 6 bar)

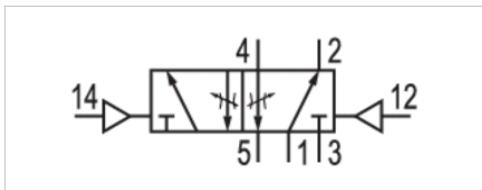
a: Min. pilot pressure at port 14 (Z) depending on working pressure

5/2-directional valve, Series 740

- Qn = 700-950 l/min
- Compressed air connection output Ø 8x1 Ø 10x1
- double air pilot
- Pipe connection
- Can be assembled into blocks
- Manual override with detent
- suitable for ATEX



| | |
|-------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | pneumatically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle Plate principle |
| Working pressure min./max. | 1.5 ... 10 bar |
| Ambient temperature min./max. | -15 ... 60 °C |
| Medium temperature min./max. | -15 ... 60 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m³ |
| Mounting on manifold strip | PRS strip |
| Weight | 0.23 kg |



Technical data

| Part No. | Compressed air connection | |
|------------|---------------------------|--------|
| | Input | Output |
| 5717410000 | Ø 8x1 | Ø 8x1 |
| 5717460000 | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Flow Qn |
|------------|---------------------------|-----------------------|------------|
| | Exhaust | Pilot control exhaust | |
| 5717410000 | M14x1 | Ø 8x1 | 700 l/min |
| 5717460000 | M14x1 | Ø 8x1 | 950 l/min |

| Part No. | Throttle |
|------------|---------------|
| 5717410000 | with throttle |
| 5717460000 | with throttle |

Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar

Technical information

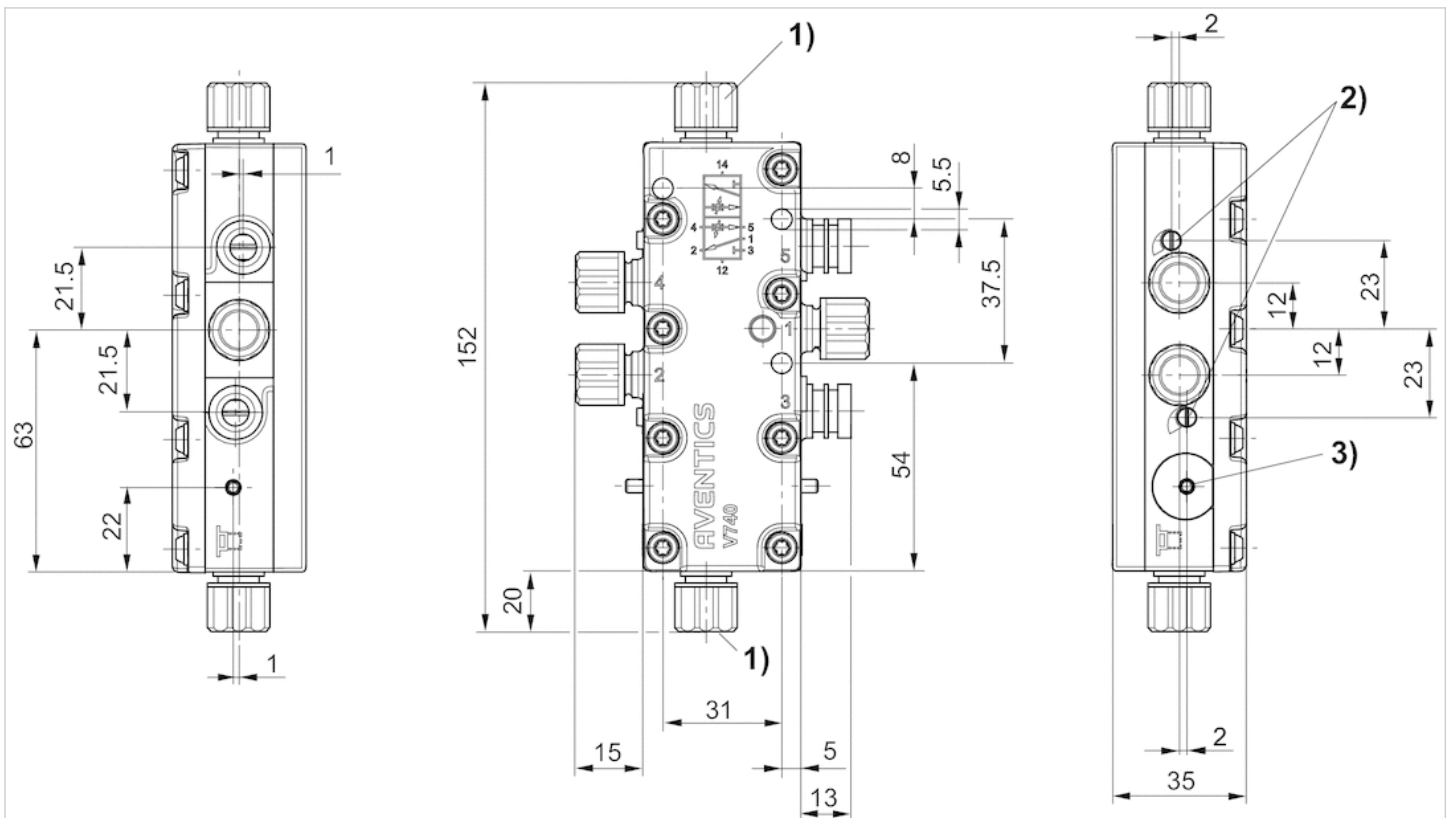
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in the MediaCentre).

Technical information

| | |
|----------|--------------------------------|
| Material | |
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |

Dimensions

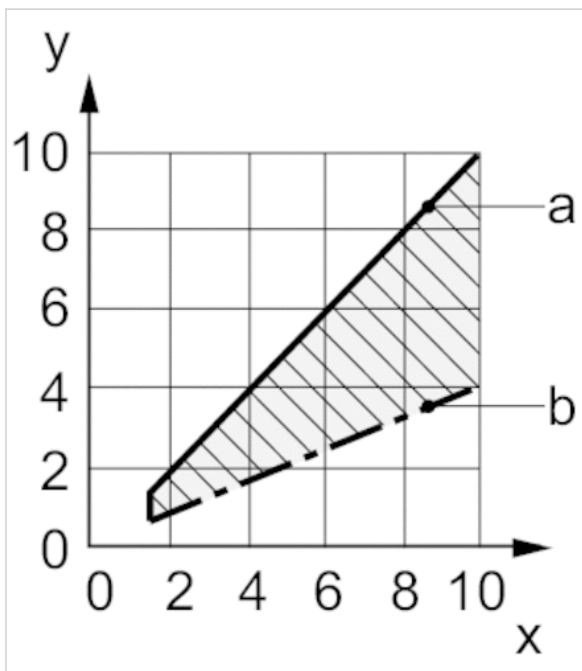
Dimensions



- 1) for pipe $\varnothing 8 \times 1$
- 2) flow control screw for exhausts 5 (R) and 3 (S)
- 3) position indicator

Diagrams

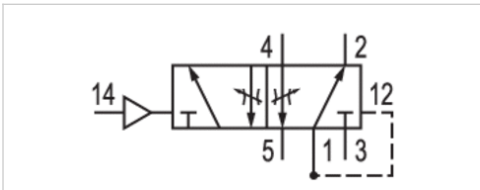
Pilot pressure range



x: operating pressure (bar) y: control pressure (bar)
a: maximum control pressure depending on operating pressure
b: minimum control pressure depending on operating pressure

5/2-directional valve, Series 740-CP

- Qn = 950 l/min
- Compressed air connection output Ø 10x1
- Pipe connection
- Can be assembled into blocks
- corrosion-protected
- Manual override without
- suitable for ATEX



| | |
|-------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | pneumatically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle Plate principle |
| Flow rate value Qn | 950 l/min |
| Working pressure min./max. | 2 ... 10 bar |
| Ambient temperature min./max. | -15 ... 60 °C |
| Medium temperature min./max. | -15 ... 60 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Mounting on manifold strip | PRS strip |
| Weight | 0.18 kg |

Technical data

| Part No. | Compressed air connection | |
|------------|---------------------------|--------|
| | Input | Output |
| 5717451000 | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Throttle |
|------------|---------------------------|-----------------------|---------------|
| | Exhaust | Pilot control exhaust | |
| 5717451000 | M14x1 | Ø 8x1 | with throttle |

Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

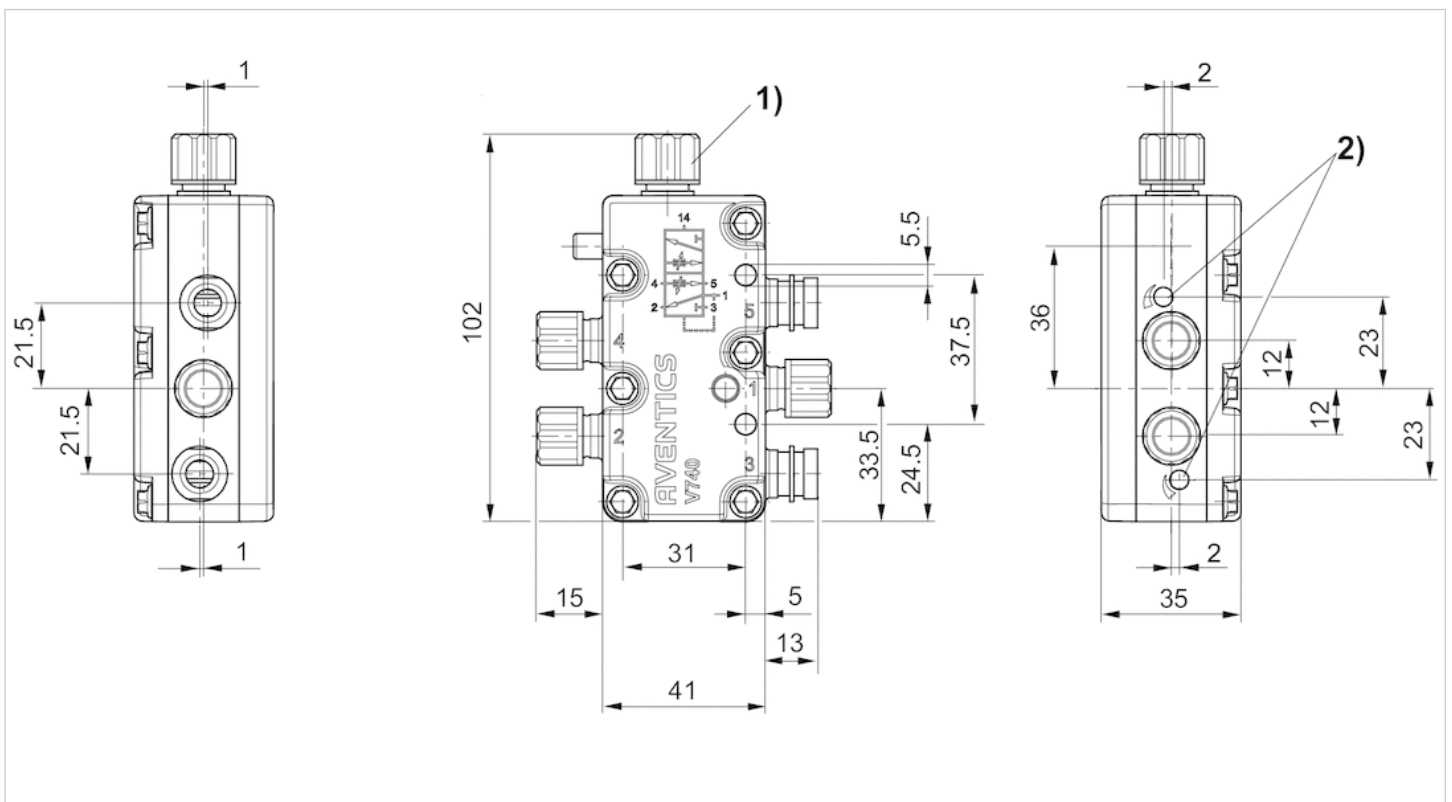
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|-------------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |
| Front plate | Polyarylamide |

Dimensions

Dimensions

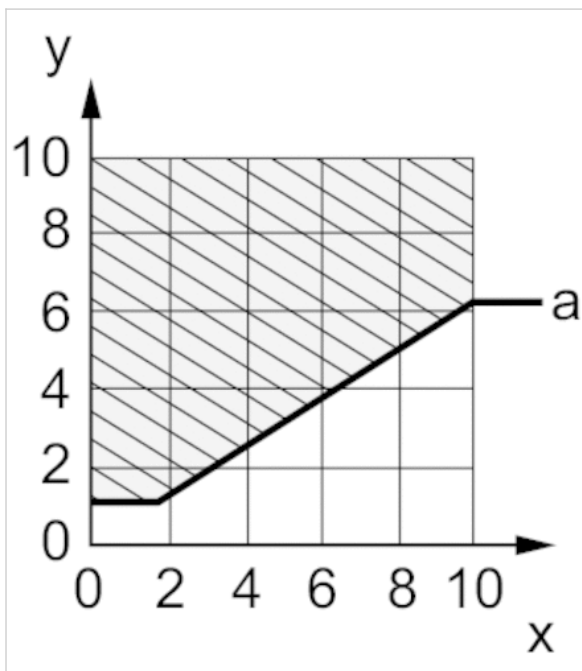


1) for pipe $\varnothing 8 \times 1$

2) flow control screw for exhausts 5 (R) and 3 (S)

Diagrams

Pilot pressure range



x: Working pressure (0 bar ... 10 bar)

y: Pilot pressure (1 bar ... 6 bar)

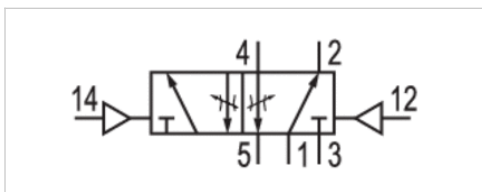
a: Min. pilot pressure at port 14 (Z) depending on working pressure

5/2-directional valve, Series 740-CP

- Qn = 950 l/min
- Compressed air connection output Ø 10x1
- double solenoid
- Pipe connection
- Can be assembled into blocks
- corrosion-protected
- Manual override with detent
- suitable for ATEX



| | |
|-------------------------------|---|
| Version | Diaphragm poppet valve |
| Activation | pneumatically |
| Pilot | Internal |
| Sealing principle | Soft sealing |
| Blocking principle | Single base plate principle Plate principle |
| Flow rate value Qn | 950 l/min |
| Working pressure min./max. | 2 ... 10 bar |
| Ambient temperature min./max. | -15 ... 60 °C |
| Medium temperature min./max. | -15 ... 60 °C |
| Medium | Compressed air |
| Max. particle size | 50 µm |
| Oil content of compressed air | 0 ... 5 mg/m³ |
| Mounting on manifold strip | PRS strip |
| Weight | 0.23 kg |



Technical data

| Part No. | Compressed air connection | |
|------------|---------------------------|--------|
| | Input | Output |
| 5717461000 | Ø 10x1 | Ø 10x1 |

| Part No. | Compressed air connection | | Throttle |
|------------|---------------------------|-----------------------|---------------|
| | Exhaust | Pilot control exhaust | |
| 5717461000 | M14x1 | Ø 8x1 | with throttle |

Nominal flow Qn at p1 = 6.3 bar and Δp = 1 bar, See diagram

Technical information

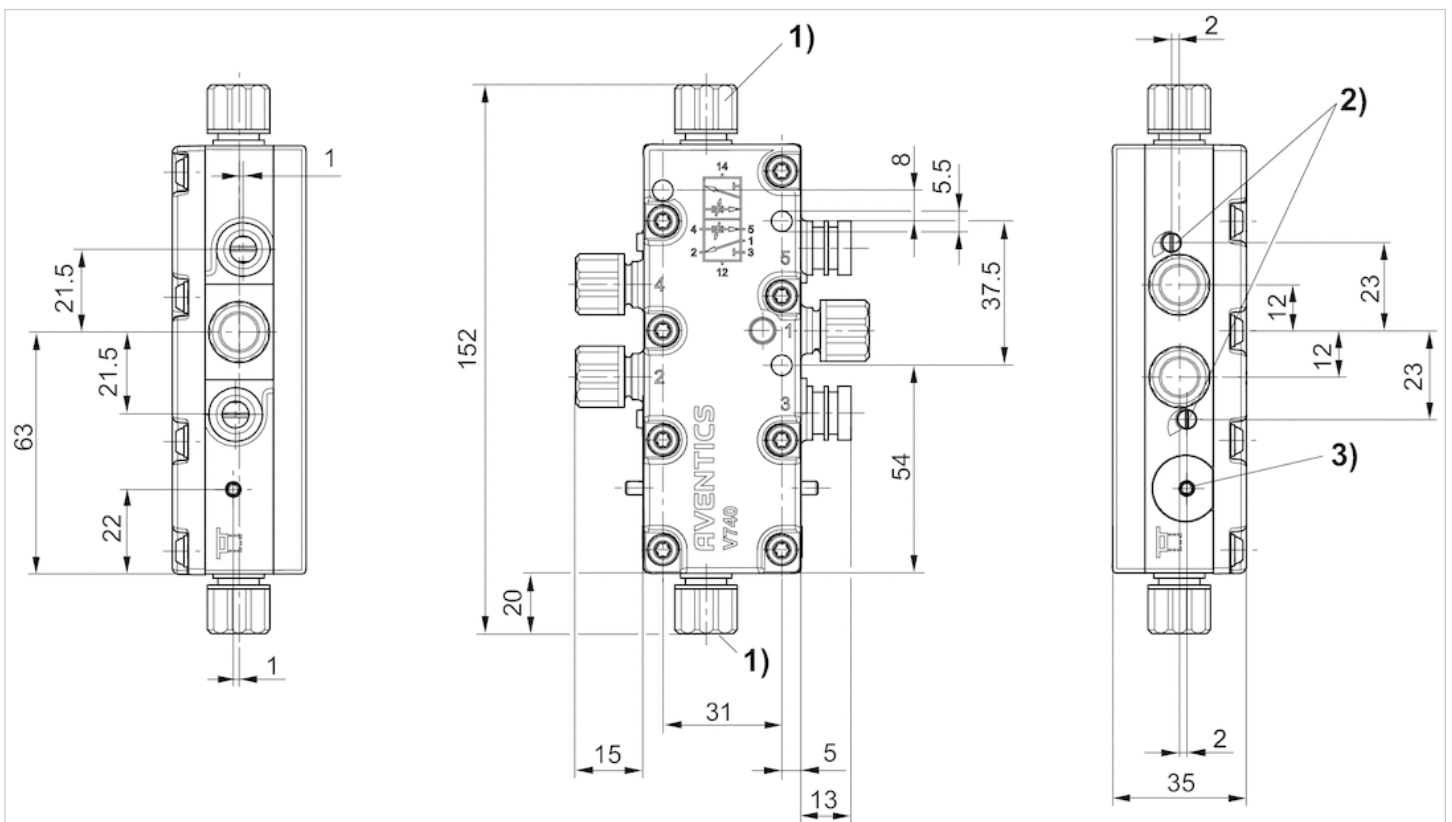
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|-------------|--------------------------------|
| Housing | Polyoxymethylene |
| Seals | Acrylonitrile butadiene rubber |
| Front plate | Polyarylamide |

Dimensions

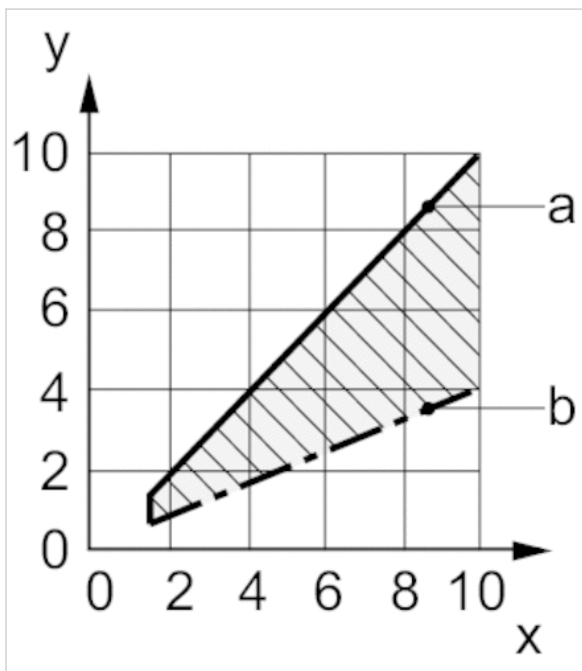
Dimensions



- 1) for pipe $\varnothing 8 \times 1$
- 2) flow control screw for exhausts 5 (R) and 3 (S)
- 3) position indicator

Diagrams

Pilot pressure range



x: operating pressure (bar) y: control pressure (bar)
a: maximum control pressure depending on operating pressure
b: minimum control pressure depending on operating pressure




Valve plug connector, series CON-VP

- Socket, 2+E, angled, 90°
- EN 175301-803
- unshielded
- with LED Yellow Red



| | |
|----------------------------------|-----------------|
| Connection type | Screws |
| Ambient temperature min./max. | -40 ... 90 °C |
| Operational voltage | See table below |
| Protection class | IP65 |
| Mounting screw tightening torque | 0.4 Nm |
| Weight | See table below |

Technical data

| Part No. | | Operational voltage | Protective circuit | Contact assignment | LED status display |
|------------|---|---------------------|--------------------|--------------------|--------------------|
| 1834484101 |  | 24 V AC/DC | Z-diode | 2+E | Yellow |
| 1834484102 |  | 110 V AC | Varistor | 2+E | Red |
| 1834484103 |  | 230 V AC | Varistor | 2+E | Red |

| Part No. | suitable cable-Ø min./max | Seal | Weight | |
|------------|---------------------------|---------------------------------|----------|----|
| 1834484101 | 6 / 8 mm | Silicone caoutchouc | 0.03 kg | 1) |
| 1834484102 | 6 / 8 mm | caoutchouc/butadiene caoutchouc | 0.03 kg | 2) |
| 1834484103 | 6 / 8 mm | Silicone caoutchouc | 0.025 kg | 2) |

1) Flat gasket

2) Profile seal

Technical information

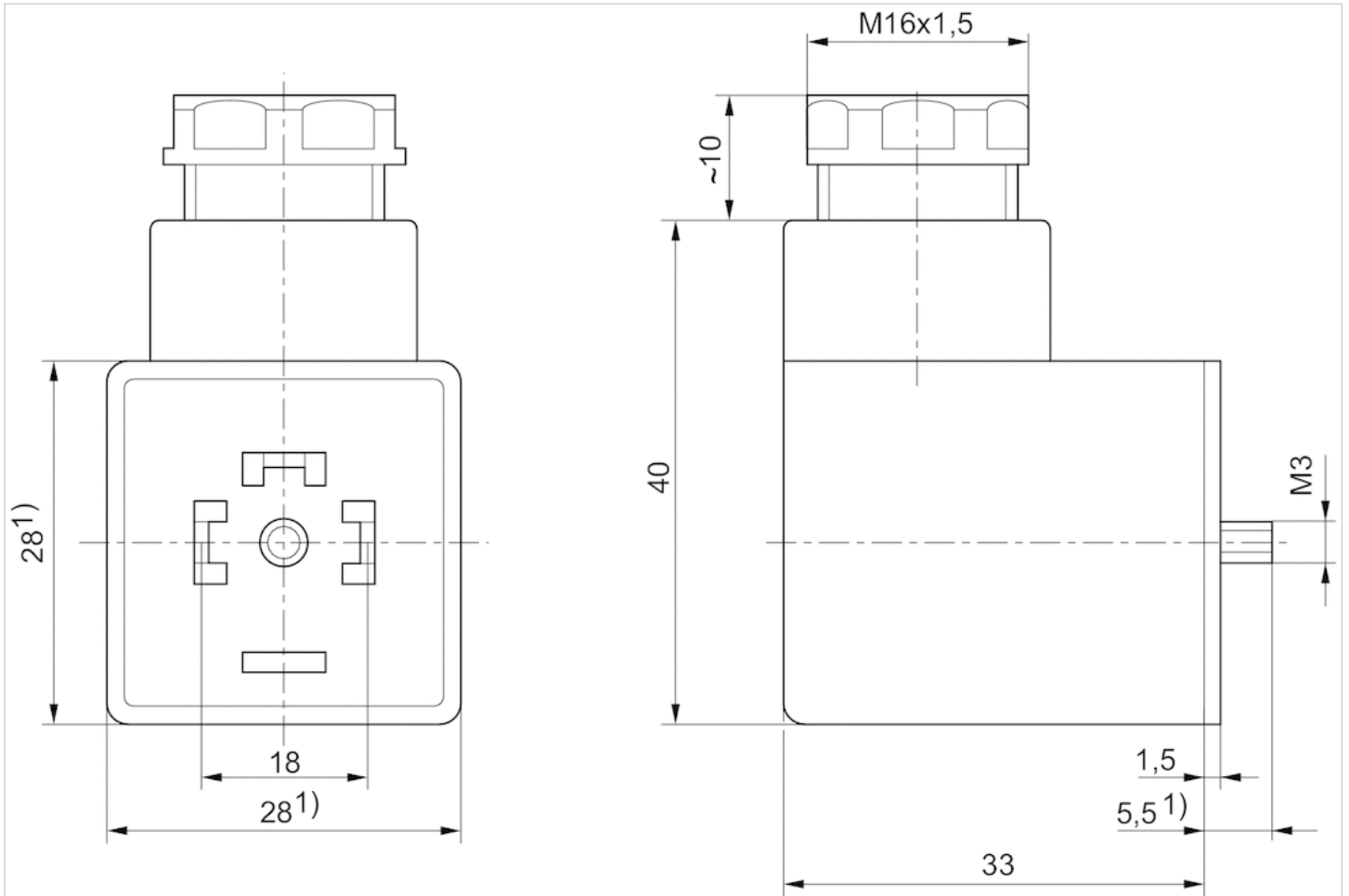
The specified protection class is only valid in assembled and tested state.

Technical information

| Material | |
|----------|---|
| Seals | Silicone caoutchouc caoutchouc/butadiene caoutchouc |

Dimensions

Dimensions



1) Max.






Valve plug connector, series CON-VP

- Socket form A 2+E angled 90°
- open cable ends 3-pin
- with cable
- unshielded



| | |
|----------------------------------|----------------------|
| Ambient temperature min./max. | -20 ... 80 °C |
| Operational voltage | See table below |
| Protection class | IP67 |
| Wire cross-section | 0.75 mm ² |
| Mounting screw tightening torque | 0.4 Nm |
| Weight | See table below |

Technical data

| Part No. | | Operational voltage | Protective circuit | Contact assignment | LED status display |
|------------|---|---------------------|--------------------|--------------------|--------------------|
| 1834484160 |  | 230 V AC/DC | - | 2+E | - |
| 1834484162 |  | 24 V AC/DC | Z-diode | 2+E | Yellow |
| 1834484163 |  | 24 V AC/DC | Z-diode | 2+E | Yellow |
| 1834484164 |  | 230 V AC/DC | Varistor | 2+E | Red |
| 1834484165 |  | 230 V AC/DC | Varistor | 2+E | Red |

| Part No. | Number of wires | Cable-Ø | Cable length | Weight | Fig. | |
|------------|-----------------|---------|--------------|---------|--------|----|
| 1834484160 | 3 | 5.9 mm | 3 m | 0.2 kg | Fig. 1 | 1) |
| 1834484162 | 3 | 5.9 mm | 3 m | 0.2 kg | Fig. 2 | - |
| 1834484163 | 3 | 5.9 mm | 5 m | 0.31 kg | Fig. 2 | - |
| 1834484164 | 3 | 5.9 mm | 3 m | 0.2 kg | Fig. 2 | - |
| 1834484165 | 3 | 5.9 mm | 5 m | 0.31 kg | Fig. 2 | - |

1) Scope of delivery incl. flat gasket

Technical information

The specified protection class is only valid in assembled and tested state.

Technical information

| Material | |
|--------------|---------------------------------|
| Seals | caoutchouc/butadiene caoutchouc |
| Cable sheath | Polyvinyl chloride |

Dimensions

Fig. 1

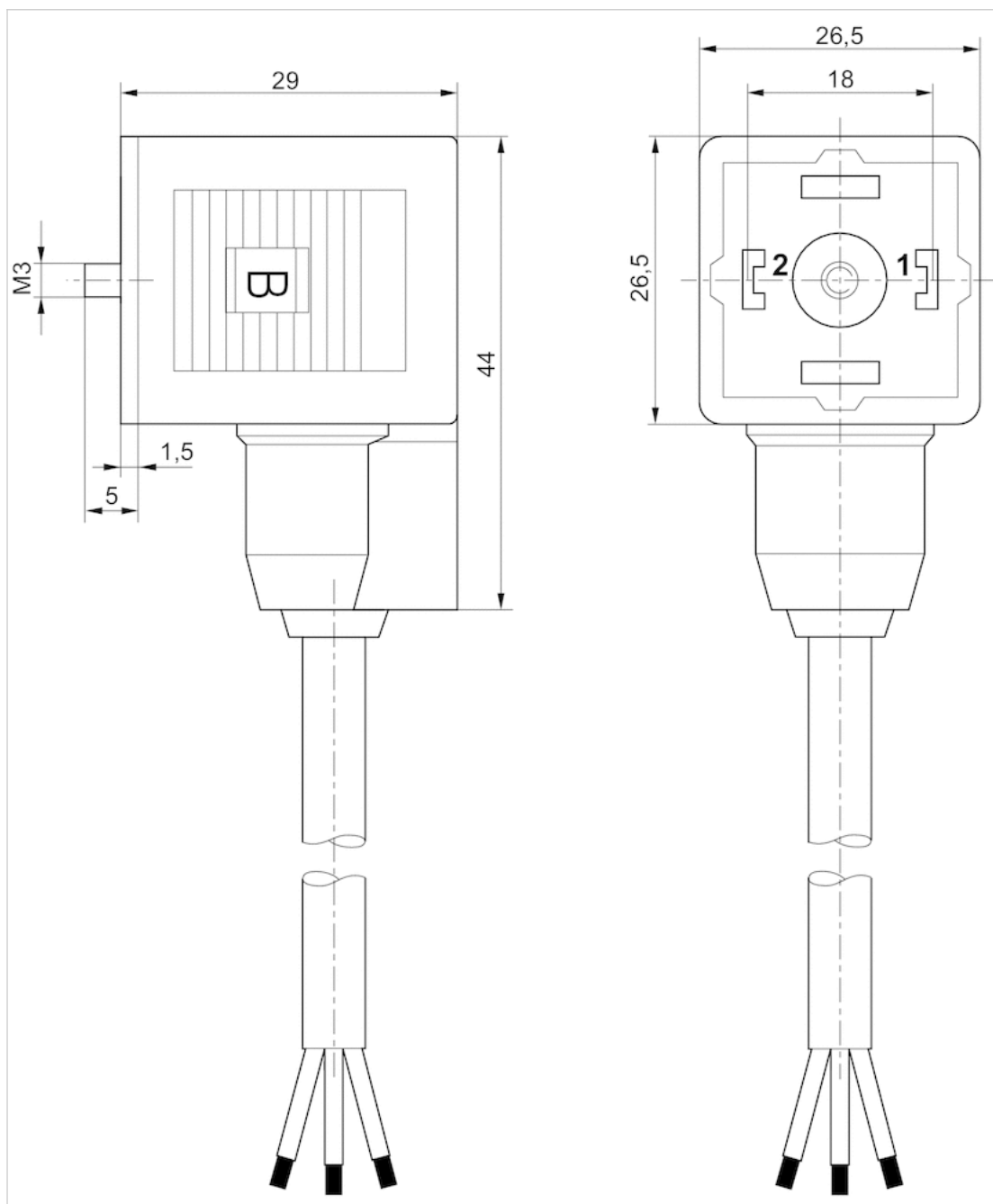
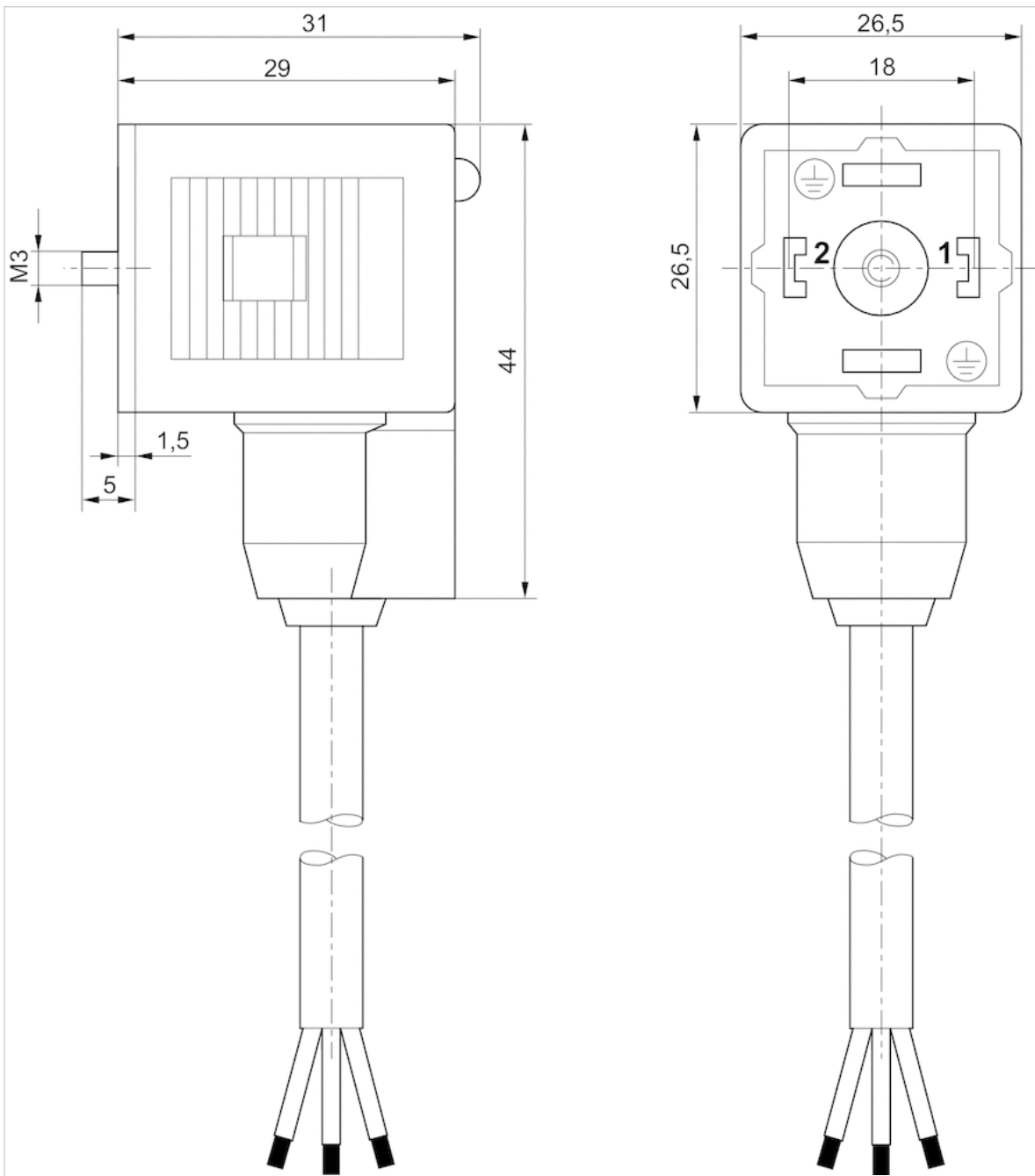


Fig. 2

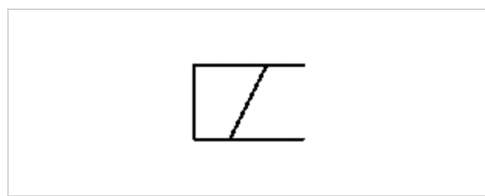


Coil, Series C01

- form A
- Coil width 30 mm
- Power consumption DC 2.7 W
- Holding power AC 4.8-5.6 VA



| | |
|---|--------------------------------------|
| Connector standard electrical connections | EN 175301-803, form A Plug, 3-pin |
| Ambient temperature min./max. | 50 °C |
| Protection class With valve plug connector/plug | IP65 |
| Duty cycle ED | 100 % |
| Compatibility index | 14 |
| Weight | 0.096 kg |



Technical data

| Part No. | Operational voltage | | Operational voltage |
|------------|---------------------|----------|---------------------|
| | DC | AC 50 Hz | AC 60 Hz |
| 5420897022 | 24 V | - | - |
| 5428117022 | - | 24 V | 24 V |
| 5428117072 | - | 110 V | 110 V |
| 5428117082 | - | 230 V | 230 V |

| Part No. | Voltage tolerance | | | Power consumption |
|------------|-------------------|-------------|-------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| 5420897022 | -10% / +10% | - | - | 2.7 W |
| 5428117022 | - | -20% / +10% | -10% / +20% | - |
| 5428117072 | - | -20% / +10% | -10% / +20% | - |
| 5428117082 | - | -20% / +10% | -10% / +20% | - |

| Part No. | Holding power | |
|------------|---------------|----------|
| | AC 50 Hz | AC 60 Hz |
| 5420897022 | - | - |
| 5428117022 | 5.2 VA | 3.9 VA |
| 5428117072 | 4.8 VA | 3.6 VA |
| 5428117082 | 5.6 VA | 4.2 VA |

Technical information

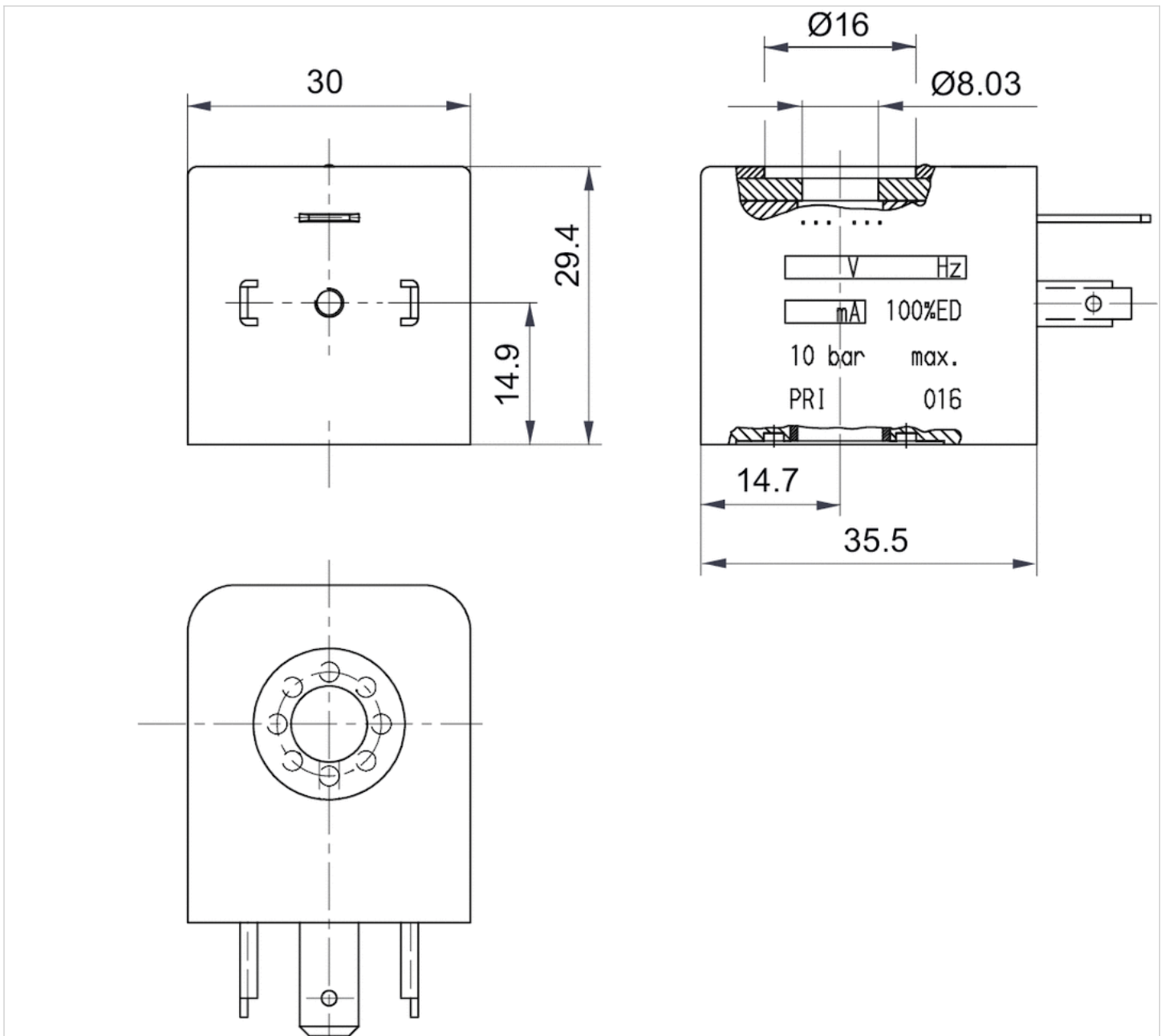
Material

Housing

Thermoplastic elastomer

Dimensions

Dimensions

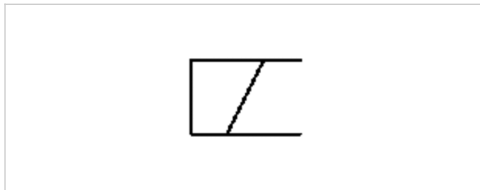


Coil, Series CO1

- Cable with valve plug connector
- Coil width 30 mm
- Power consumption DC 3.25 W
- Holding power AC 2.9-3 VA
- Switch-on power AC 3-3.1 VA
- ATEX



| | |
|-------------------------------|------------------------------------|
| Certificates | ATEX |
| ATEX class G | II 2G Ex mb IIC T4 Gb |
| ATEX class D | II 2D Ex mb tb IIIC T130°C Db IP65 |
| Ambient temperature min./max. | -20 ... 50 °C |
| Protection class | IP65 |
| Duty cycle ED | 100 % |
| Compatibility index | 14 |
| Weight | See table below |



Technical data

| Part No. | Operational voltage | | Operational voltage |
|------------|---------------------|----------|---------------------|
| | DC | AC 50 Hz | AC 60 Hz |
| 1827414297 | - | 230 V | 230 V |
| 1827414298 | - | 230 V | 230 V |
| 1827414299 | - | 110 V | 110 V |
| 1827414301 | - | 24 V | 24 V |
| 1827414303 | 24 V | - | - |
| 1827414304 | 24 V | - | - |

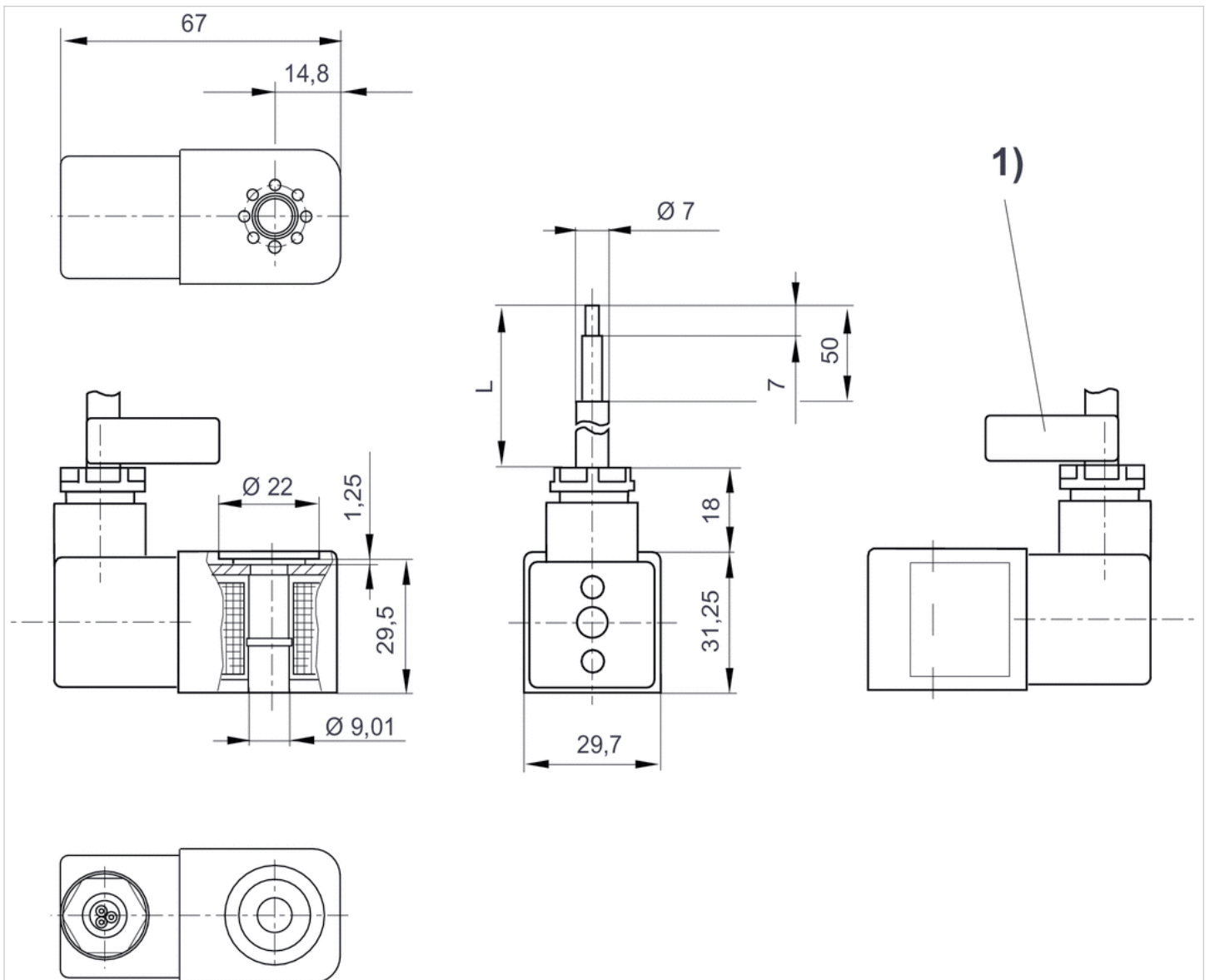
| Part No. | Voltage tolerance | | Power consumption | Holding power |
|------------|-------------------|-------------|-------------------|---------------|
| | DC | AC 50 Hz | DC | AC 50 Hz |
| 1827414297 | - | -10% / +10% | - | 3 VA |
| 1827414298 | - | -10% / +10% | - | 3 VA |
| 1827414299 | - | -10% / +10% | - | 2.9 VA |
| 1827414301 | - | -10% / +10% | - | 2.9 VA |
| 1827414303 | -10% / +10% | - | 3.25 W | - |
| 1827414304 | -10% / +10% | - | 3.25 W | - |

| Part No. | Switch-on power | | Cable length | Weight |
|------------|-----------------|--|--------------|---------|
| | AC 50 Hz | | | |
| 1827414297 | 3.1 VA | | 3 m | 0.38 kg |

| Part No. | Switch-on power | Cable length | Weight |
|------------|-----------------|--------------|---------|
| | AC 50 Hz | | |
| 1827414298 | 3.1 VA | 10 m | 0.91 kg |
| 1827414299 | 3 VA | 3 m | 0.38 kg |
| 1827414301 | 3 VA | 3 m | 0.38 kg |
| 1827414303 | - | 3 m | 0.38 kg |
| 1827414304 | - | 10 m | 0.91 kg |

Dimensions

Dimensions

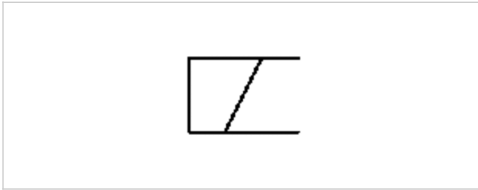


L = cable length

1) Cable ID band with serial number

Coil, Series C01

- With valve plug connector
- Coil width 30 mm
- Power consumption DC 2.1 W
- Holding power AC 4-4.1 VA
- Switch-on power AC 4-4.1 VA
- ATEX



| | |
|-------------------------------|------------------------------|
| Certificates | ATEX |
| ATEX class G | II 3G Ex nA IIC T4 Gc X |
| ATEX class D | II 3D Ex tc IIIC T125°C Dc X |
| Ambient temperature min./max. | -10 ... 50 °C |
| Protection class | IP65 |
| Duty cycle ED | 100 % |
| Compatibility index | 13 |
| Weight | See table below |

Technical data

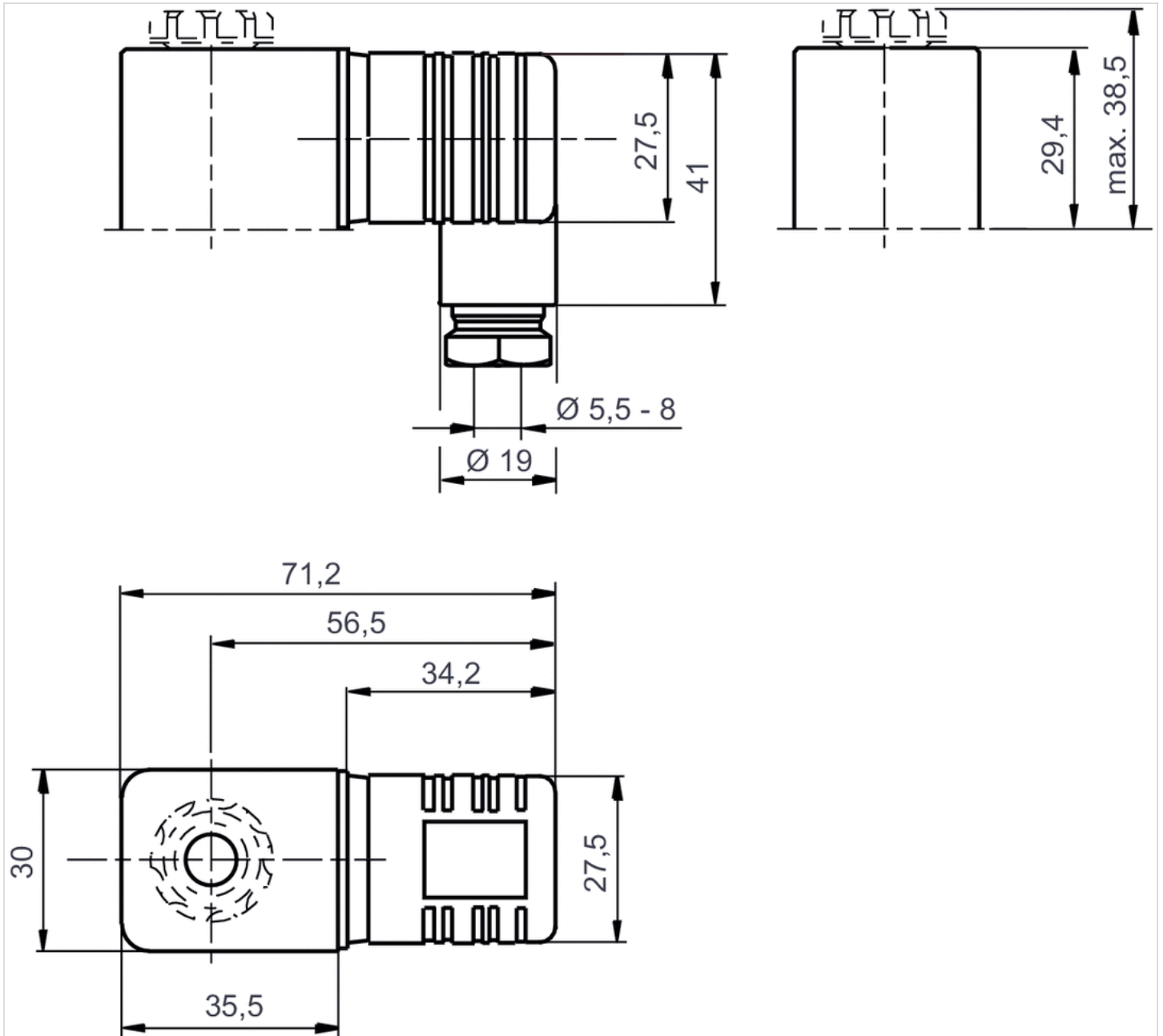
| Part No. | Operational voltage | Operational voltage | Operational voltage |
|------------|---------------------|---------------------|---------------------|
| | DC | AC 50 Hz | AC 60 Hz |
| R412000144 | 24 V | - | - |
| R412000145 | - | 24 V | 24 V |
| R412000146 | - | 110 V | 110 V |
| R412000147 | - | 230 V | 230 V |

| Part No. | Voltage tolerance | Voltage tolerance | Voltage tolerance | Power consumption |
|------------|-------------------|-------------------|-------------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| R412000144 | -10% / +10% | - | - | 2.1 W |
| R412000145 | - | -20% / +10% | -10% / +20% | - |
| R412000146 | - | -20% / +10% | -10% / +20% | - |
| R412000147 | - | -20% / +10% | -10% / +20% | - |

| Part No. | Holding power | Switch-on power | Weight |
|------------|---------------|-----------------|----------|
| | AC 50 Hz | AC 50 Hz | |
| R412000144 | - | - | 0.14 kg |
| R412000145 | 4 VA | 4 VA | 0.134 kg |
| R412000146 | 4 VA | 4 VA | 0.122 kg |
| R412000147 | 4.1 VA | 4.1 VA | 0.137 kg |

Dimensions

Dimensions



Contact bridges, series CON-CB

- Plug, 4-pin, straight, 180°
- Socket, form C, 2-pin, straight
- Number of solenoid coils 1



| | |
|--|----------------|
| Ambient temperature min./max. | -15 ... 50 °C |
| Protection class | IP65 |
| Operational voltage | 24 V AC/DC |
| Voltage tolerance AC 50 Hz | -10% / +10% |
| Voltage tolerance AC 60 Hz | -10% / +10% |
| Valve LED status display | Yellow |
| Mounting screw | M2.5 with slot |
| Tightening torque for mounting screws [+0,05] | 0.25 Nm |
| Weight | 0.016 kg |

Technical data

Part No.

5763573113

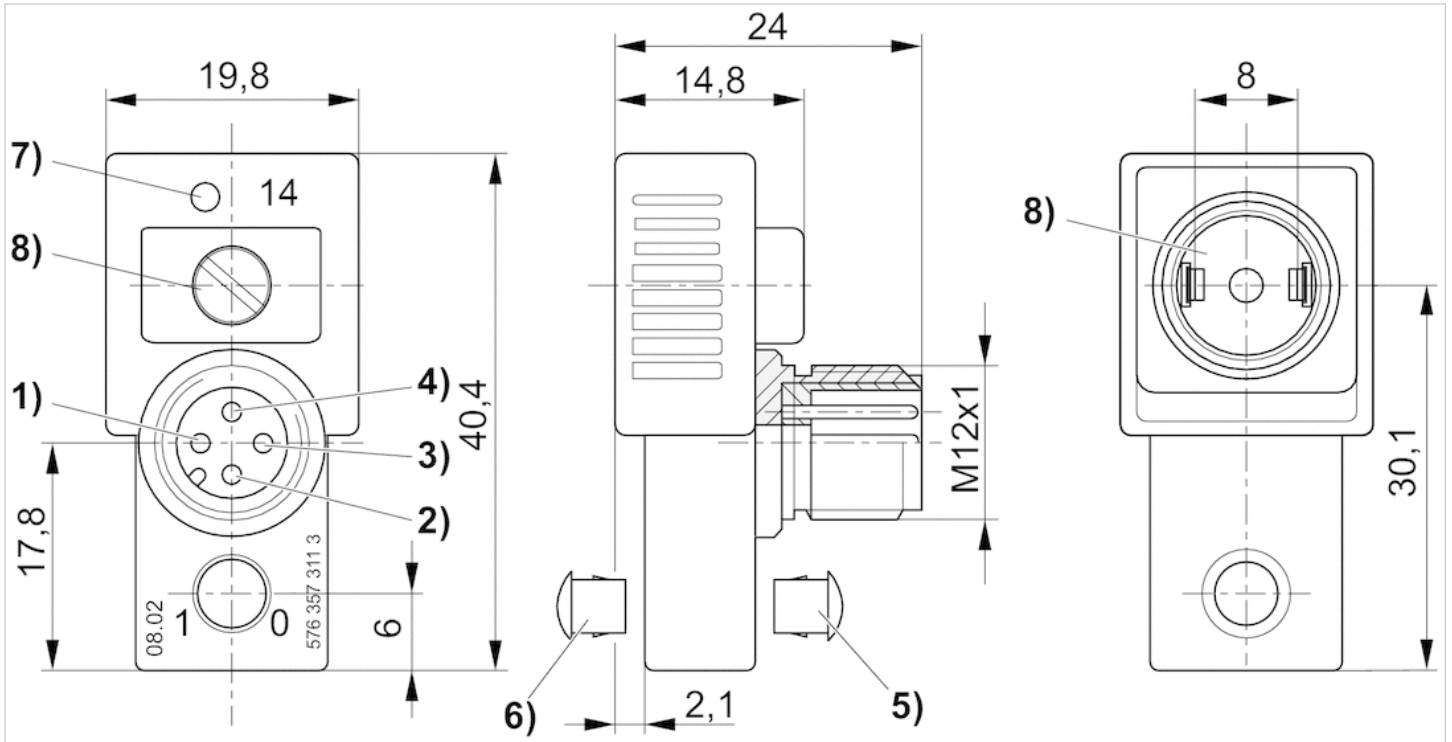
Technical information

Material

| | |
|---------|------------------|
| Housing | Polyester amide |
| Seals | Fluorocaoutchouc |

Dimensions

Dimensions



- 1) not assigned
- 2) not assigned
- 3) 0 V
- 4) magnet 14
- 5) Sealing cap for manual override not removable
- 6) Removable
- 7) LED valve
- 8) captive seal and screw

Contact bridges, series CON-CB

- Control Snap Ø8
- Plug, 3-pin, straight, 180°
- Socket, form C, 2-pin, straight
- Number of solenoid coils 1



| | |
|---|----------------|
| Ambient temperature min./max. | -25 ... 75 °C |
| Protection class | IP65 |
| Operational voltage | 24 V DC |
| Valve LED status display | Yellow |
| Mounting screw | M2.5 with slot |
| Tightening torque for mounting screws [+0,05] | 0.25 Nm |
| Weight | 0.012 kg |

Technical data

| Part No. | Wire cross-section |
|------------|----------------------|
| 5763503183 | 0.14 mm ² |

Technical information

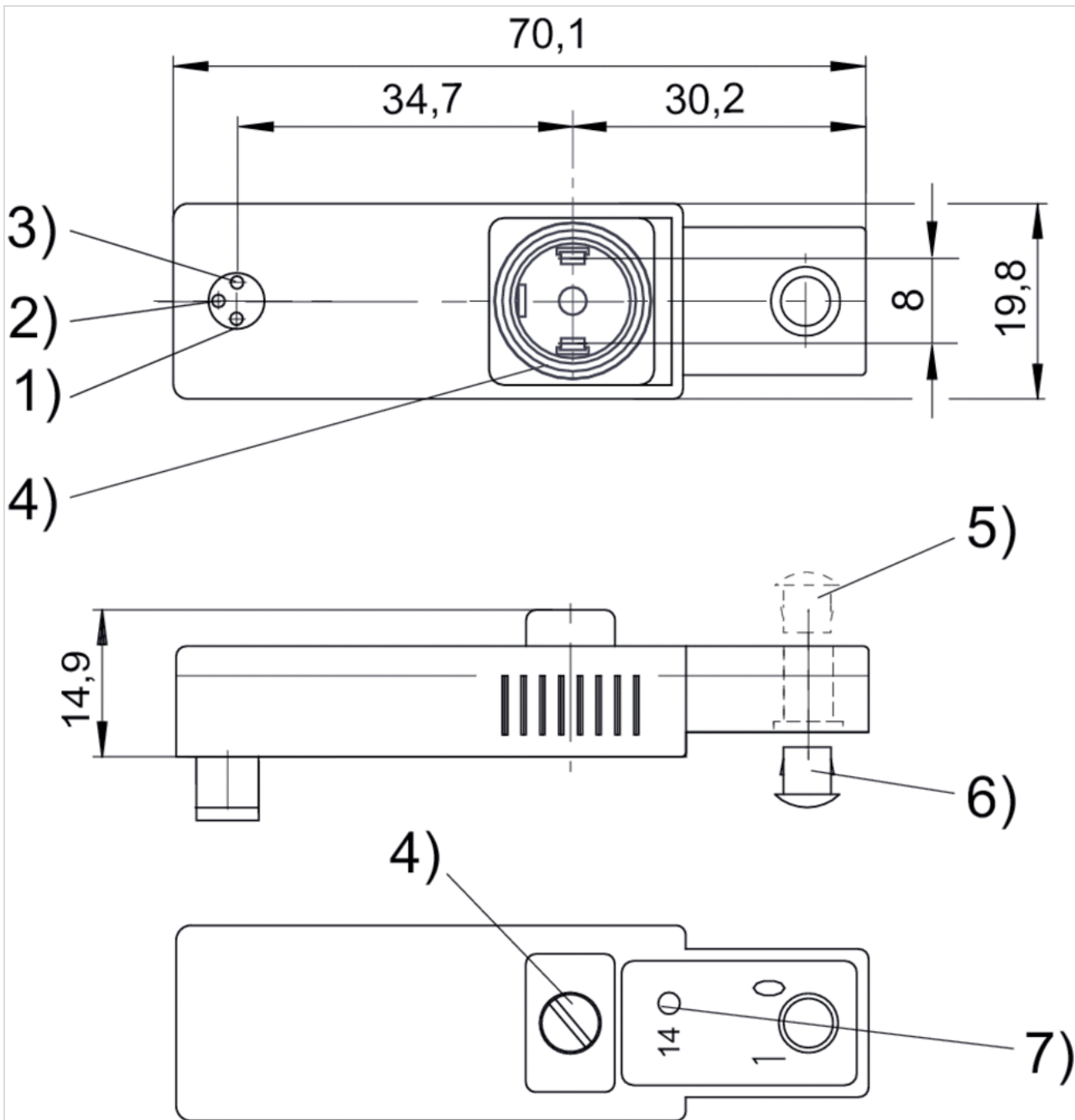
The specified protection class is only valid in assembled and tested state.

Technical information

| Material | |
|----------|------------------|
| Housing | Polyester amide |
| Seals | Fluorocaoutchouc |

Dimensions

Dimensions



- 1) solenoid 14 2) not assigned 3) 0 V
- 4) captive seal and screw 5) sealing cap for manual override not removable 6) removable 7) LED valve

Adapter, Series CON-VP

- from form A to form C
- Socket, straight, 180°
- Plug, straight, 180°
- unshielded



| | |
|-------------------------------|---------------|
| Ambient temperature min./max. | -25 ... 50 °C |
| Operational voltage | 42 V DC |
| Protection class | IP65 |
| Protection class | IP65 |
| Weight | 0.013 kg |

Technical data

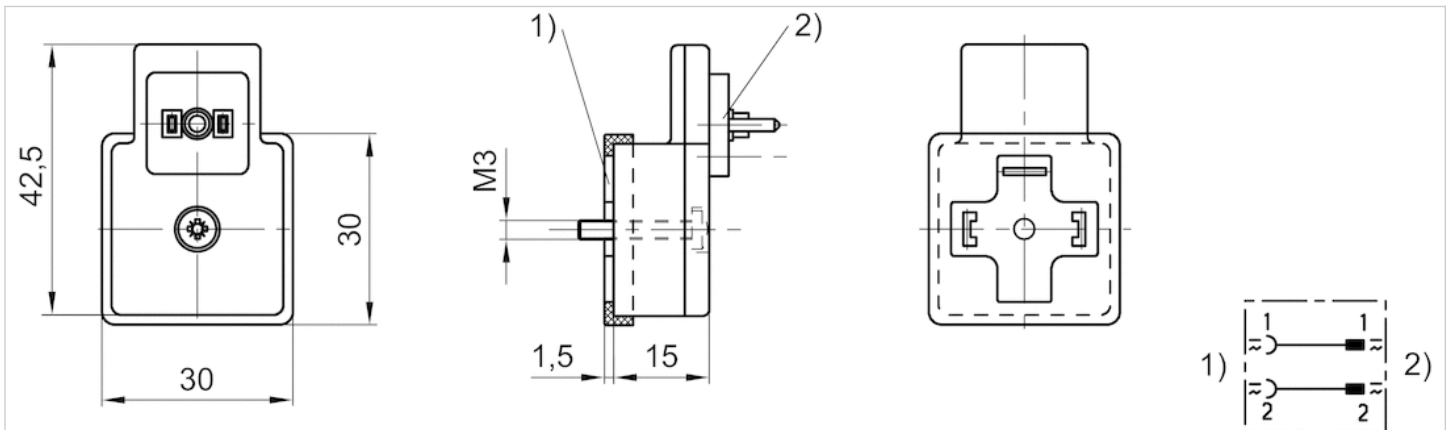
| Part No. | Version | Max. current |
|------------|-----------------------|--------------|
| 8946053622 | from form A to form C | 0.5 A |

Technical information

| Material | |
|----------|-----------|
| Housing | Polyamide |

Dimensions

Dimensions



1) contact as per DIN EN 175301-803, form A
 2) contact as per DIN EN 175301-803, form C

Subbases and accessories



Working pressure min./max.

0 ... 10 bar

Ambient temperature min./max.

-15 ... 50 °C

Medium

Compressed air

Weight

See table below

Technical data

| Part No. | Type | Weight |
|------------|---|----------|
| 8985003902 | Supply plate, complete with O-rings | 0.245 kg |
| 8985003972 | Supply plate, corrosion-protected, complete with O-rings | 0.237 kg |
| 8985003922 | Sandwich plate 740, complete with O-rings. | 0.089 kg |
| 8985003912 | End plate | 0.092 kg |
| 5727406012 | Dummy flange for reserve places complete with seals | 0.033 kg |
| 5727400092 | O-rings for connections 1, 3, and 5 (R = 5: Exhaust, P = 1: Pressure, S = 3: Exhaust) | 0.009 kg |

Technical information

The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!

The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .

The oil content of compressed air must remain constant during the life cycle.

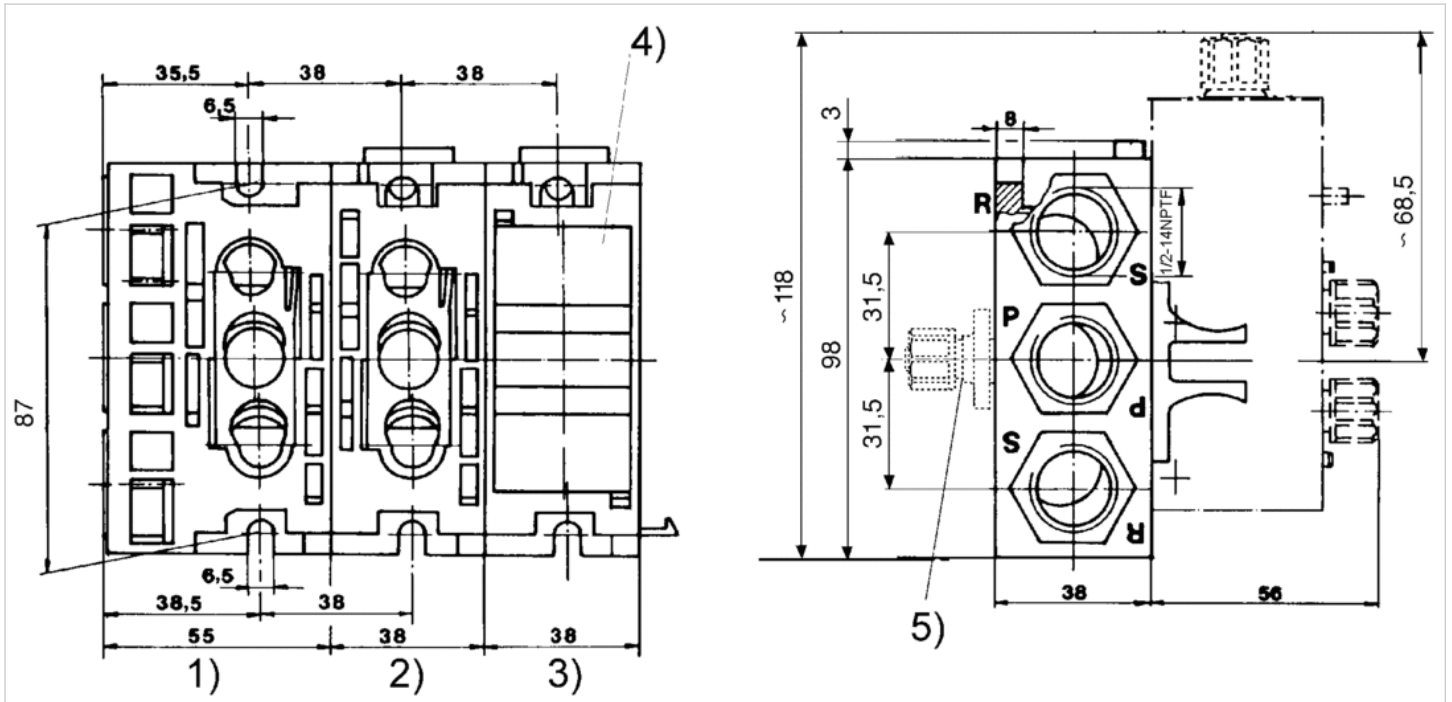
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|------------|--------------------------------|
| Base plate | Polyoxymethylene |
| Seal | Acrylonitrile butadiene rubber |

Dimensions

Dimensions



Tightening torque for all screws max. 35 Nm

- 1) Inlet plate
- 2) Through plate
- 3) End plate
- 4) Dummy flange
- 5) Adapter for separate air supply

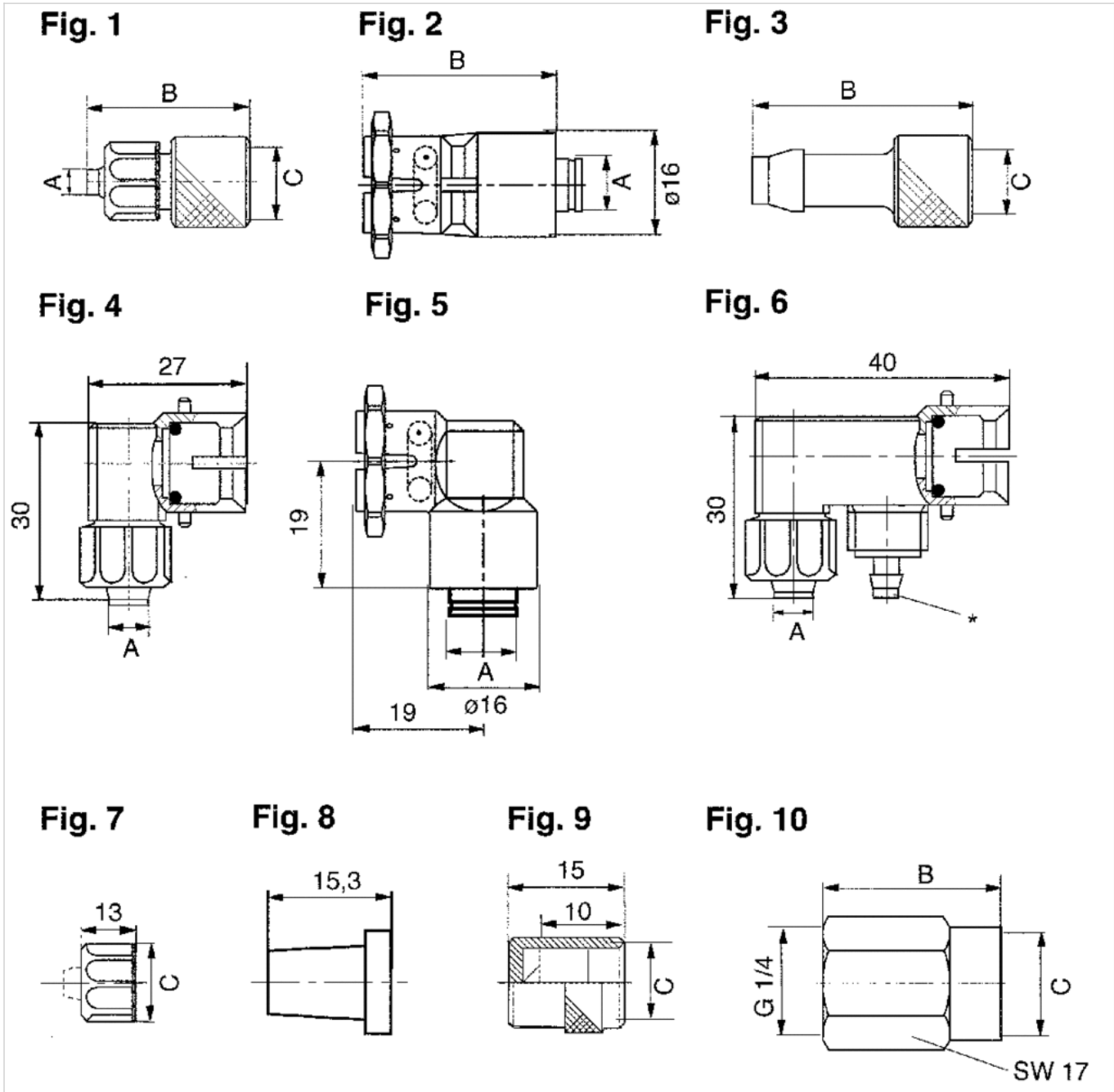
Fittings - Accessories, Series 740



Technical data

| Part No. | Fig. | Type |
|------------|---------|---|
| 8939008500 | Fig. 1 | Reducing fitting Ø 8x1 to Ø 6x incl. O-ring |
| 8939008510 | Fig. 1 | Reducing fitting Ø 10x1 to Ø 6x1 incl. O-ring |
| 8939008520 | Fig. 1 | Reducing fitting Ø 10x1 to Ø 8x1 incl. O-ring |
| 8938000910 | Fig. 2 | Reducing fitting Ø 8x1 to Ø 6x1, push-in incl. O-ring |
| 8938000920 | Fig. 2 | Reducing fitting Ø 8x1 to Ø 8x1, push-in incl. O-ring |
| 8939008800 | Fig. 1 | fitting, for port R and S for 8x1 |
| 8931220200 | Fig. 3 | Tubing connector for fabric-reinforced tubing Ø 8x3, incl. O-Ring |
| 8938306520 | Fig. 4 | elbow fitting Ø 10x1 to Ø 6x1, incl. O-ring |
| 8938306530 | Fig. 4 | elbow fitting Ø 10x1 to Ø 8x1, incl. O-ring |
| 8938306540 | Fig. 4 | elbow fitting Ø 10x1 to Ø 10x1, incl. O-ring |
| 8919905414 | Fig. 7 | Tube nut Ø 10x1 for silencer |
| 8993809904 | Fig. 8 | Silencer |
| 8919905502 | Fig. 9 | Screw plug, Ø 8x1 |
| 8919905512 | Fig. 9 | Screw plug, Ø 10x1 |
| 8932404100 | Fig. 10 | Adapter, Ø 8x1, G 1/4, incl. O-ring |
| 8938306550 | Fig. 5 | elbow fitting Ø 8x1 to Ø 6x1, push-in, incl. O-ring |
| 8938306560 | Fig. 5 | elbow fitting Ø 8x1 to Ø 8x1, push-in, incl. O-ring |
| 8938307900 | Fig. 6 | Elbow fitting, 2x, plastic tubing Ø 6x1 for supply plate |
| 8938307800 | Fig. 6 | Elbow fitting, 2x, plastic tubing Ø 8x1 for supply plate |
| 8919905404 | Fig. 7 | tube nut, Ø 8x1 |

Dimensions



Dimensions

| Part No. | Ø A | B | C | Fig. |
|------------|-----|------|-------|--------|
| 8939008500 | 4 | 25 | M12x1 | Fig. 1 |
| 8939008510 | 4 | 26 | M14x1 | Fig. 1 |
| 8939008520 | 6 | 27 | M14x1 | Fig. 1 |
| 8938000910 | 6 | 29.5 | - | Fig. 2 |
| 8938000920 | 8 | 29.5 | - | Fig. 2 |
| 8939008800 | 6 | 24 | M14x1 | Fig. 1 |
| 8931220200 | 8 | 33 | M12x1 | Fig. 3 |
| 8938306520 | 4 | - | - | Fig. 4 |

| Part No. | Ø A | B | C | Fig. |
|------------|-----|----|-------|---------|
| 8938306530 | 6 | – | – | Fig. 4 |
| 8938306540 | 8 | – | – | Fig. 4 |
| 8919905414 | – | – | M14x1 | Fig. 7 |
| 8993809904 | – | – | – | Fig. 8 |
| 8919905502 | – | – | M12x1 | Fig. 9 |
| 8919905512 | – | – | M14x1 | Fig. 9 |
| 8932404100 | – | 27 | M12x1 | Fig. 10 |
| 8938306550 | 6 | – | – | Fig. 5 |
| 8938306560 | 8 | – | – | Fig. 5 |
| 8938307900 | 4 | – | – | Fig. 6 |
| 8938307800 | 6 | – | – | Fig. 6 |
| 8919905404 | – | – | M12x1 | Fig. 7 |

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