

Series CERAM™, size 4



AVENTICS™ Series CERAM™, size 4


















5/2-directional valve, Series CERAM™, size 4

- 5/2
- $Q_n = 7500$ l/min
- Pilot valve width : 30 mm
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- single solenoid
- With air spring return
- Pilot : Internal External



| | |
|------------------------------------|-----------------------------|
| Activation | Electrically |
| Sealing principle | Ceramic |
| Blocking principle | Single base plate principle |
| Standards | ISO 5599-1, ISO 4 |
| Working pressure min./max. | 0 ... 10.3 bar |
| Control pressure min./max. | See table below |
| Ambient temperature min./max. | -15 ... 66 °C |
| Medium temperature min./max. | -15 ... 66 °C |
| Medium | Compressed air |
| Nominal flow Q_n | 7500 l/min |
| Compressed air connection | according to ISO 5599-1 |
| Protection class according to NEMA | NEMA 4 |
| Weight | See table below |

Technical data

| Part No. |  | MO | Compressed air connection | Operational voltage |
|------------|---|---|---------------------------|---------------------|
| | | | Pilot Exhaust | DC |
| R432006325 |  |  | Base plate ISO 5599-1 | 12 V |
| R432006326 |  |  | Base plate ISO 5599-1 | 24 V |
| R432030177 |  |  | Base plate ISO 5599-1 | - |
| R432006321 |  |  | Base plate ISO 5599-1 | - |
| R432006323 |  |  | Base plate ISO 5599-1 | - |
| R432002464 |  |  | Base plate ISO 5599-1 | - |
| R432002467 |  |  | Base plate ISO 5599-1 | - |

| Part No. | Operational voltage | Operational voltage | Voltage tolerance |
|------------|---------------------|---------------------|-------------------|
| | AC 50 Hz | AC 60 Hz | DC |
| R432006325 | - | - | -10% / +10% |
| R432006326 | - | - | -10% / +10% |
| R432030177 | 24 V | 24 V | - |
| R432006321 | 110 V | 120 V | - |
| R432006323 | 220 V | 240 V | - |
| R432002464 | - | - | - |
| R432002467 | - | - | - |

| Part No. | Voltage tolerance | Voltage tolerance | Power consumption | Holding power |
|------------|-------------------|-------------------|-------------------|---------------|
| | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz |
| R432006325 | - | - | 2.7 W | - |
| R432006326 | - | - | 2.7 W | - |
| R432030177 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432006321 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432006323 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432002464 | - | - | - | - |
| R432002467 | - | - | - | - |

| Part No. | Holding power | Switch-on power | Switch-on power | Pilot | Control pressure min./max. |
|------------|---------------|-----------------|-----------------|----------|----------------------------|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | | |
| R432006325 | - | - | - | Internal | 2.5 ... 10.3 bar |
| R432006326 | - | - | - | Internal | 2.5 ... 10.3 bar |
| R432030177 | 3.7 VA | 6.4 VA | 6.4 VA | Internal | 2.5 ... 10.3 bar |
| R432006321 | 3.7 VA | 6.4 VA | 6.4 VA | Internal | 2.5 ... 10.3 bar |
| R432006323 | 3.7 VA | 6.7 VA | 6.7 VA | Internal | 2.5 ... 10.3 bar |
| R432002464 | - | - | - | External | -0.8 ... 10.3 bar |
| R432002467 | - | - | - | Internal | 2.5 ... 10.3 bar |

| Part No. | Valve plug connector | basic valve with electrical connector |
|------------|------------------------------|---------------------------------------|
| R432006325 | Without valve plug connector | - |
| R432006326 | Without valve plug connector | - |
| R432030177 | Without valve plug connector | - |
| R432006321 | Without valve plug connector | - |
| R432006323 | Without valve plug connector | - |

| Part No. | Valve plug connector | basic valve with electrical connector |
|------------|------------------------------|---------------------------------------|
| R432002464 | Without valve plug connector | Basic valve without coil |
| R432002467 | Without valve plug connector | Basic valve without coil |

| Part No. | Mounting screw | Weight |
|------------|------------------------|---------|
| R432006325 | M8 with hexagon socket | 2.38 kg |
| R432006326 | M8 with hexagon socket | 2.38 kg |
| R432030177 | M8 with hexagon socket | 2.38 kg |
| R432006321 | M8 with hexagon socket | 2.38 kg |
| R432006323 | M8 with hexagon socket | 2.38 kg |
| R432002464 | M5 with hexagon socket | 2.09 kg |
| R432002467 | M8 with hexagon socket | 2.09 kg |

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).

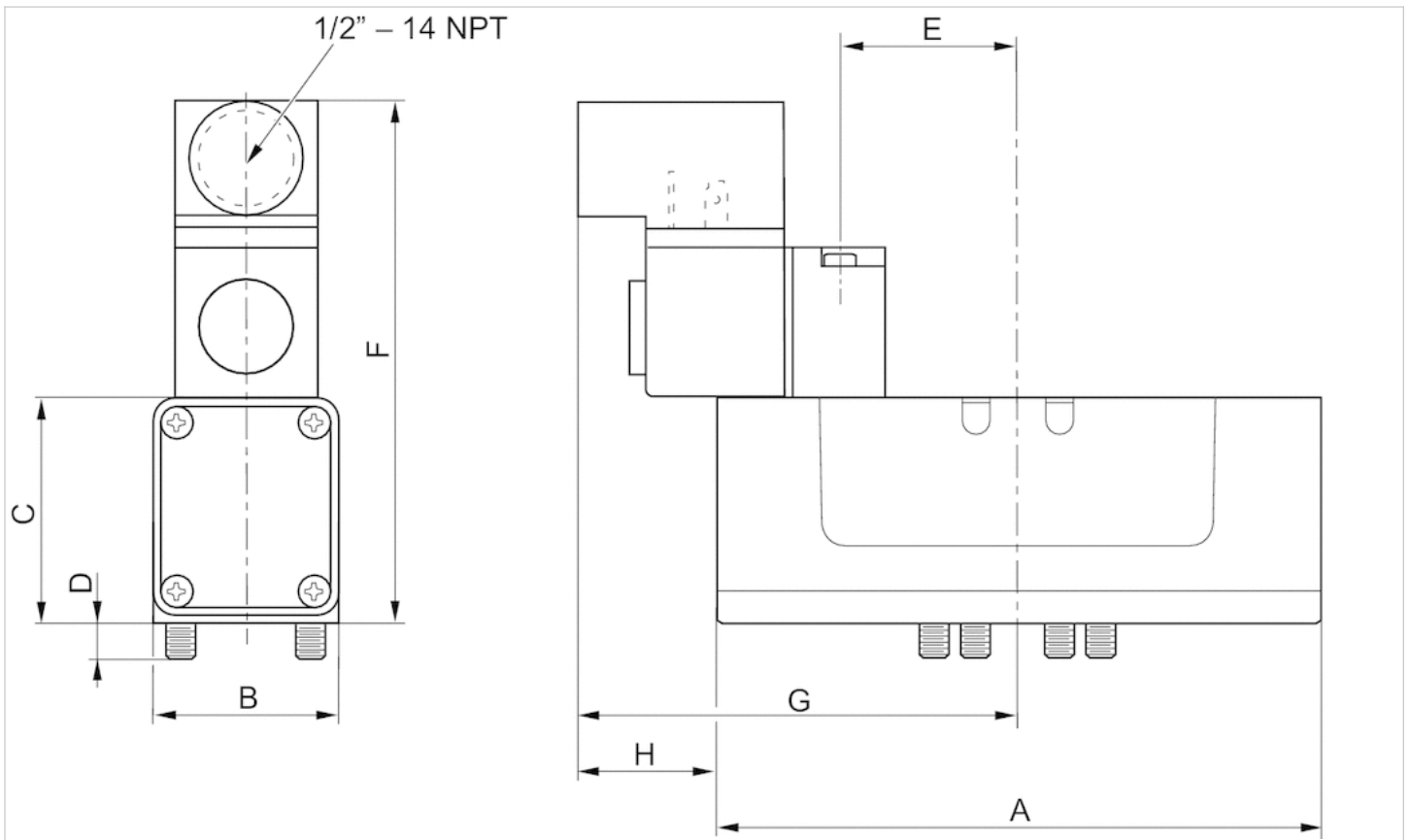
Technical information

Material

| | |
|---------|---------------------------------|
| Housing | Die-cast aluminum, painted gray |
|---------|---------------------------------|

Dimensions

Dimensions in inches



Dimensions in inches

| Part No. | A | B | C | D | E | F | G | H |
|------------|------|------|------|------|------|------|------|------|
| R432006325 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432006326 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432030177 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432006321 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432006323 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| - | - | - | - | - | - | - | - | - |
| R432002467 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |

5/2-directional valve, Series CERAM™, size 4

- 5/2
- Qn = 7500 l/min
- Pilot valve width : 30 mm CNOMO
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- single solenoid
- With air spring return
- Pilot : Internal External



| | |
|------------------------------------|-----------------------------|
| Activation | Electrically |
| Sealing principle | Ceramic |
| Blocking principle | Single base plate principle |
| Standards | ISO 5599-1, ISO 4 |
| Working pressure min./max. | 0 ... 10.3 bar |
| Control pressure min./max. | 2.5 ... 10.3 bar |
| Ambient temperature min./max. | -15 ... 66 °C |
| Medium temperature min./max. | -15 ... 66 °C |
| Medium | Compressed air |
| Nominal flow Qn | 7500 l/min |
| Compressed air connection | according to ISO 5599-1 |
| Protection class according to NEMA | NEMA 4 |
| mounting screws | M8 with hexagon socket |
| Weight | See table below |

Technical data

| Part No. | MO | Compressed air connection | | Operational voltage |
|------------|----|---------------------------|--|---------------------|
| | | Pilot Exhaust | | DC |
| R432030378 | | Base plate ISO 5599-1 | | 12 V |
| R432006327 | | Base plate ISO 5599-1 | | 24 V |
| R432030352 | | Base plate ISO 5599-1 | | - |
| R432006322 | | Base plate ISO 5599-1 | | - |
| R432006324 | | Base plate ISO 5599-1 | | - |
| R432002465 | | Base plate ISO 5599-1 | | - |
| R432002468 | | Base plate ISO 5599-1 | | - |

| Part No. | Operational voltage | | Voltage tolerance |
|------------|---------------------|----------|-------------------|
| | AC 50 Hz | AC 60 Hz | DC |
| R432030378 | - | - | -10% / +10% |
| R432006327 | - | - | -10% / +10% |
| R432030352 | 24 V | 24 V | - |
| R432006322 | 110 V | 120 V | - |
| R432006324 | 220 V | 240 V | - |
| R432002465 | - | - | - |

| Part No. | Operational voltage | Operational voltage | Voltage tolerance |
|------------|---------------------|---------------------|-------------------|
| | AC 50 Hz | AC 60 Hz | DC |
| R432002468 | - | - | - |

| Part No. | Voltage tolerance | Voltage tolerance | Power consumption | Holding power |
|------------|-------------------|-------------------|-------------------|---------------|
| | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz |
| R432030378 | - | - | 2.7 W | - |
| R432006327 | - | - | 2.7 W | - |
| R432030352 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432006322 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432006324 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432002465 | - | - | - | - |
| R432002468 | - | - | - | - |

| Part No. | Holding power | Switch-on power | Switch-on power | Pilot |
|------------|---------------|-----------------|-----------------|----------|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| R432030378 | - | - | - | Internal |
| R432006327 | - | - | - | Internal |
| R432030352 | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432006322 | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432006324 | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432002465 | - | - | - | External |
| R432002468 | - | - | - | Internal |

| Part No. | Valve plug connector | basic valve with electrical connector | Weight |
|------------|------------------------------|---------------------------------------|---------|
| R432030378 | Without valve plug connector | - | 2.45 kg |
| R432006327 | Without valve plug connector | - | 2.45 kg |
| R432030352 | Without valve plug connector | - | 2.45 kg |
| R432006322 | Without valve plug connector | - | 2.46 kg |
| R432006324 | Without valve plug connector | - | 2.46 kg |
| R432002465 | Without valve plug connector | Basic valve without coil | 2.09 kg |
| R432002468 | Without valve plug connector | Basic valve without coil | 2.09 kg |

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.

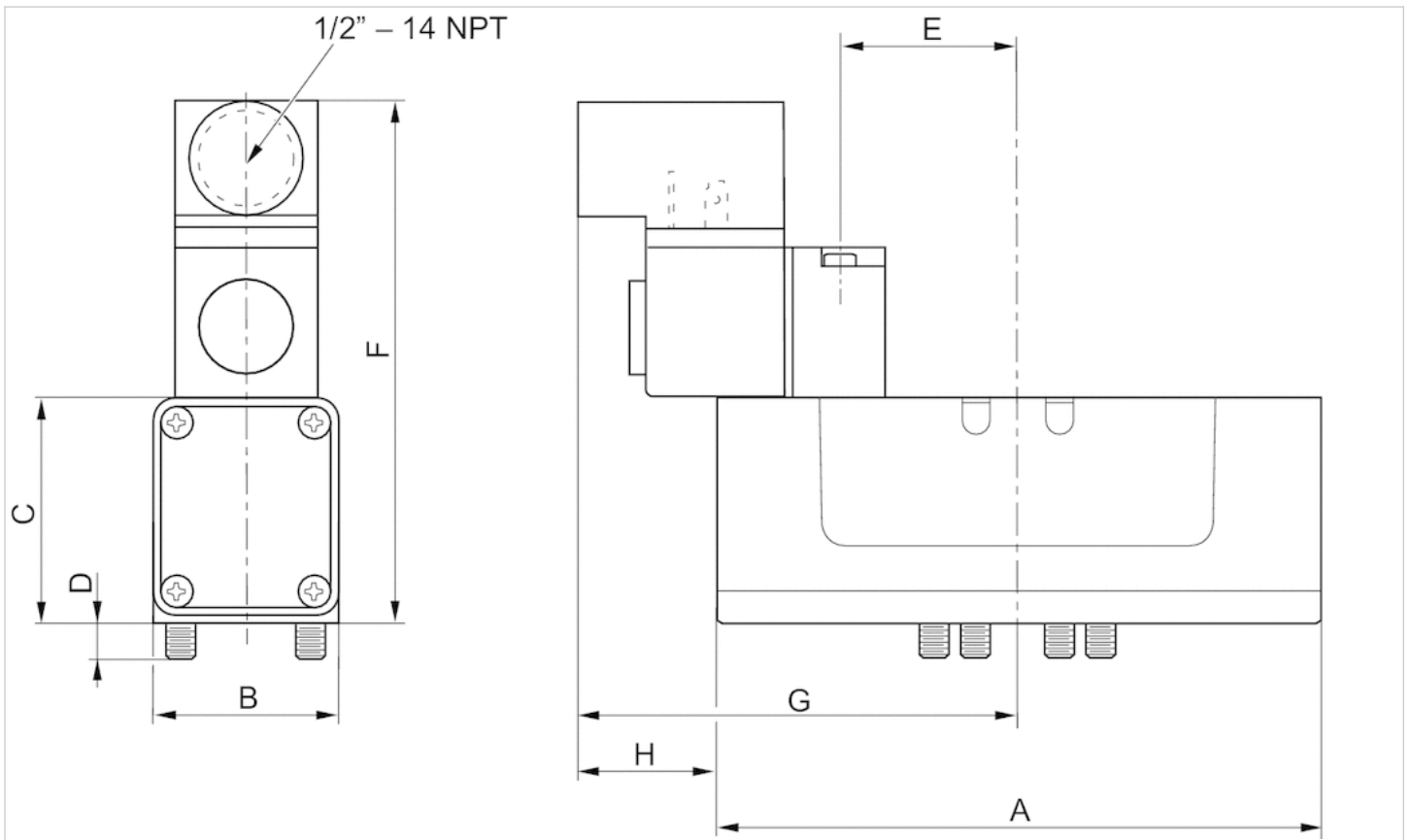
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|----------|---|
| Housing | Die cast zinc, painted gray Die-cast aluminum, painted gray |

Dimensions

Dimensions in inches

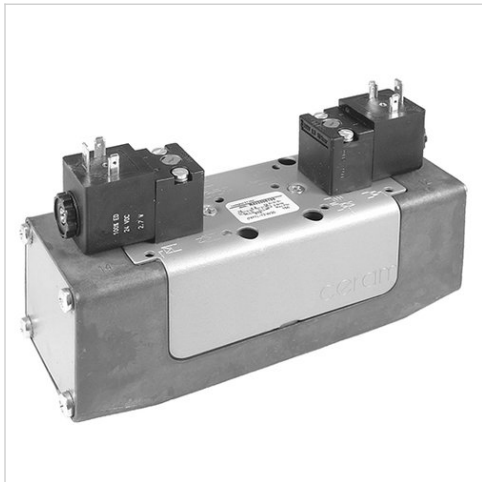


Dimensions in inches

| Part No. | A | B | C | D | E | F | G | H |
|------------|------|------|------|------|------|------|------|------|
| R432030378 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432006327 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432030352 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432006322 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| R432006324 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |
| - | - | - | - | - | - | - | - | - |
| R432002468 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.23 | 6.65 | 0.68 |








5/2-directional valve, Series CERAM™, size 4

- 5/2
- Qn = 7500 l/min
- Pilot valve width : 30 mm CNOMO
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- double solenoid single solenoid
- Pilot : Internal External



| | |
|------------------------------------|-----------------------------|
| Activation | Electrically |
| Sealing principle | Ceramic |
| Blocking principle | Single base plate principle |
| Standards | ISO 5599-1, ISO 4 |
| Working pressure min./max. | 0 ... 10.3 bar |
| Control pressure min./max. | See table below |
| Ambient temperature min./max. | -15 ... 66 °C |
| Medium temperature min./max. | -15 ... 66 °C |
| Medium | Compressed air |
| Nominal flow Qn | 7500 l/min |
| Compressed air connection | according to ISO 5599-1 |
| Protection class according to NEMA | NEMA 4 |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | | Operational voltage |
|------------|---|----------------------|---------------------------|---------------|---------------------|
| | | | | Pilot Exhaust | DC |
| R432030353 |  | TR-TR-TR-TR-TR-TR-TR | Base plate ISO 5599-1 | | 12 V |
| R432006341 |  | | Base plate ISO 5599-1 | | 24 V |
| R432030178 |  | | Base plate ISO 5599-1 | | - |
| R432006339 |  | | Base plate ISO 5599-1 | | - |
| R432006340 |  | | Base plate ISO 5599-1 | | - |
| R432002466 |  | | Base plate ISO 5599-1 | | - |
| R432002469 |  | | Base plate ISO 5599-1 | | - |

| Part No. | Operational voltage | | Voltage tolerance |
|------------|---------------------|----------|-------------------|
| | AC 50 Hz | AC 60 Hz | DC |
| R432030353 | - | - | -10% / +10% |
| R432006341 | - | - | -10% / +10% |
| R432030178 | 24 V | 24 V | - |
| R432006339 | 110 V | 120 V | - |
| R432006340 | 220 V | 240 V | - |
| R432002466 | - | - | - |
| R432002469 | - | - | - |

| Part No. | Voltage tolerance | Voltage tolerance | Power consumption | Holding power |
|------------|-------------------|-------------------|-------------------|---------------|
| | AC 50 Hz | AC 60 Hz | DC | AC 50 Hz |
| R432030353 | - | - | 2.7 W | - |
| R432006341 | - | - | 2.7 W | - |
| R432030178 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432006339 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432006340 | -10% / +10% | -10% / +10% | - | 3.7 VA |
| R432002466 | - | - | - | - |
| R432002469 | - | - | - | - |

| Part No. | Holding power | Switch-on power | Switch-on power | Pilot | Control pressure min./max. |
|------------|---------------|-----------------|-----------------|----------|----------------------------|
| | AC 60 Hz | AC 50 Hz | AC 60 Hz | | |
| R432030353 | - | - | - | Internal | 2 ... 10.3 bar |
| R432006341 | - | - | - | Internal | 2 ... 10.3 bar |
| R432030178 | 3.7 VA | 6.4 VA | 6.4 VA | Internal | 2 ... 10.3 bar |
| R432006339 | 3.7 VA | 6.4 VA | 6.4 VA | Internal | 2 ... 10.3 bar |
| R432006340 | 3.7 VA | 6.4 VA | 6.4 VA | Internal | 2 ... 10.3 bar |
| R432002466 | - | - | - | External | 2.5 ... 10.3 bar |
| R432002469 | - | - | - | Internal | 2 ... 10.3 bar |

| Part No. | Valve plug connector | basic valve with electrical connector |
|------------|------------------------------|---------------------------------------|
| R432030353 | Without valve plug connector | - |
| R432006341 | Without valve plug connector | - |
| R432030178 | Without valve plug connector | - |
| R432006339 | Without valve plug connector | - |
| R432006340 | Without valve plug connector | - |

| Part No. | Valve plug connector | basic valve with electrical connector |
|------------|------------------------------|---------------------------------------|
| R432002466 | Without valve plug connector | Basic valve without coil |
| R432002469 | Without valve plug connector | Basic valve without coil |

| Part No. | Mounting screw | Weight |
|------------|------------------------|---------|
| R432030353 | M8 with hexagon socket | 2.46 kg |
| R432006341 | M8 with hexagon socket | 2.46 kg |
| R432030178 | M8 with hexagon socket | 2.46 kg |
| R432006339 | M8 with hexagon socket | 2.46 kg |
| R432006340 | M8 with hexagon socket | 2.46 kg |
| R432002466 | M5 with hexagon socket | 2.32 kg |
| R432002469 | M8 with hexagon socket | 2.32 kg |

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.

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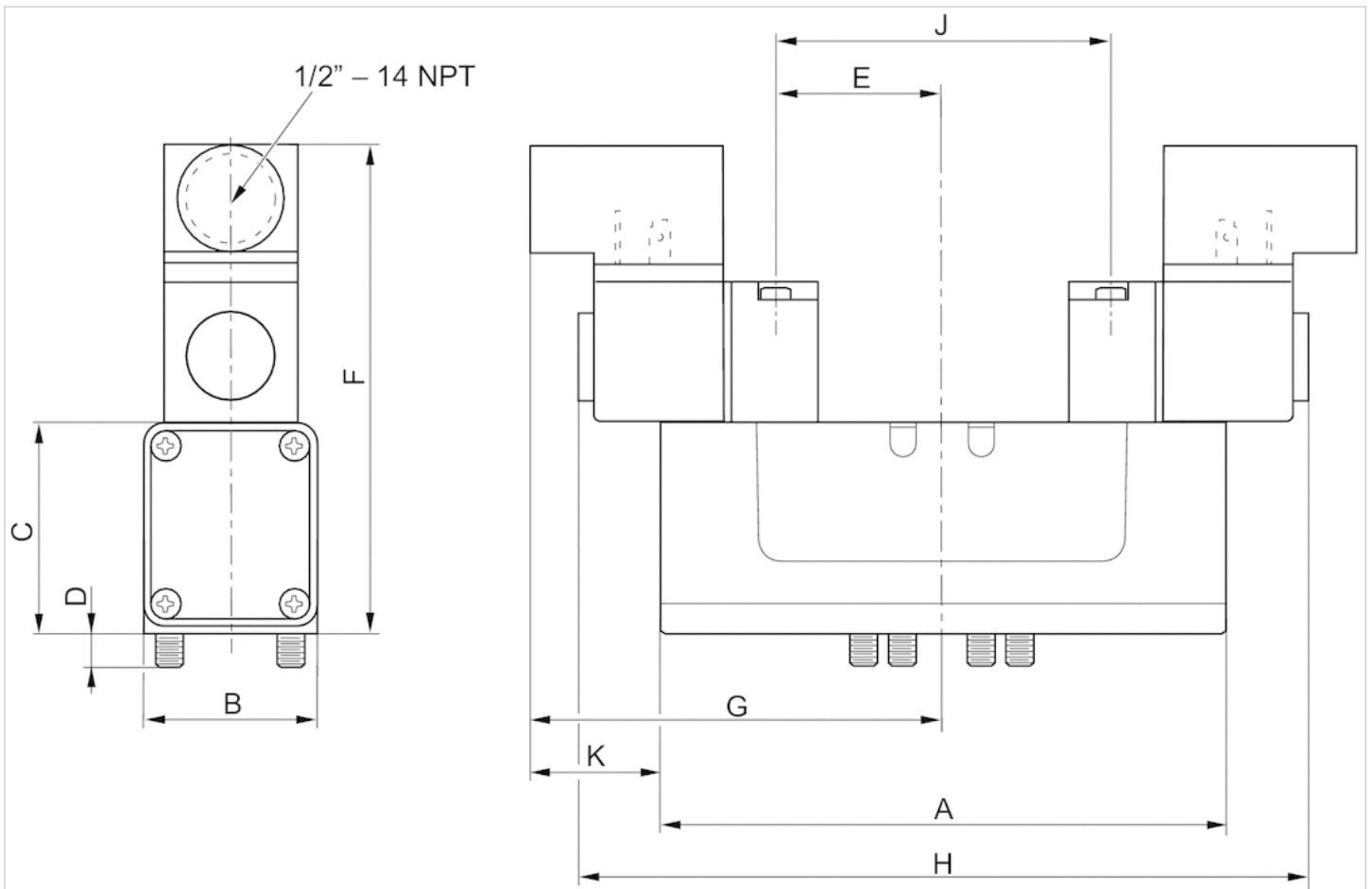
Technical information

Material

| | |
|---------|---------------------------------|
| Housing | Die-cast aluminum, painted gray |
|---------|---------------------------------|

Dimensions

Dimensions in inches

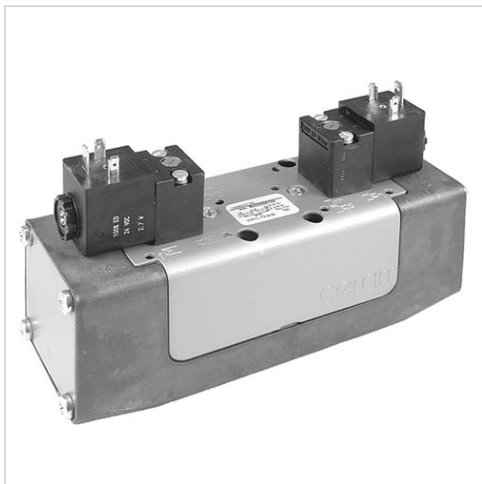


Dimensions in inches

| Part No. | A | B | C | D | E | F | G | H | J | K |
|------------|------|------|------|------|------|------|------|-------|------|------|
| R432030353 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006341 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432030178 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006339 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006340 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| - | - | - | - | - | - | - | - | - | - | - |
| R432002469 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |






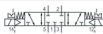
5/3-directional valve, Series CERAM™, size 4

- 5/3
- $Q_n = 7500$ l/min
- Pilot valve width : 30 mm CNOMO
- closed center
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- double solenoid single solenoid
- Pilot : Internal External



| | |
|------------------------------------|-----------------------------|
| Activation | Electrically |
| Blocking principle | Single base plate principle |
| Standards | ISO 5599-1, ISO 4 |
| Working pressure min./max. | 0 ... 10.3 bar |
| Control pressure min./max. | See table below |
| Ambient temperature min./max. | -15 ... 66 °C |
| Medium temperature min./max. | -15 ... 66 °C |
| Medium | Compressed air |
| Nominal flow Q_n | 7500 l/min |
| Compressed air connection | according to ISO 5599-1 |
| Protection class according to NEMA | NEMA 4 |
| mounting screws | M8 with hexagon socket |
| Weight | See table below |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|----------------------------------|---------------------------|-----------------------|
| | | | | Pilot Exhaust |
| R432006292 |  | IT R-R-IT R-IT R-IT R-IT R-IT R- | closed center | Base plate ISO 5599-1 |
| R432006293 |  | | closed center | Base plate ISO 5599-1 |
| R432030338 |  | | closed center | Base plate ISO 5599-1 |
| R432006290 |  | | closed center | Base plate ISO 5599-1 |
| R432006291 |  | | closed center | Base plate ISO 5599-1 |
| R432002461 |  | | closed center | Base plate ISO 5599-1 |
| R432002463 | — | | closed center | Base plate ISO 5599-1 |

| Part No. | Operational voltage | Operational voltage | Operational voltage |
|------------|---------------------|---------------------|---------------------|
| | DC | AC 50 Hz | AC 60 Hz |
| R432006292 | 12 V | - | - |
| R432006293 | 24 V | - | - |
| R432030338 | - | 24 V | 24 V |
| R432006290 | - | 110 V | 120 V |
| R432006291 | - | 220 V | 240 V |
| R432002461 | - | - | - |
| R432002463 | - | - | - |

| Part No. | Voltage tolerance | Voltage tolerance | Voltage tolerance | Power consumption |
|------------|-------------------|-------------------|-------------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| R432006292 | -10% / +10% | - | - | 2.7 W |
| R432006293 | -10% / +10% | - | - | 2.7 W |
| R432030338 | - | -10% / +10% | -10% / +10% | - |
| R432006290 | - | -10% / +10% | -10% / +10% | - |
| R432006291 | - | -10% / +10% | -10% / +10% | - |
| R432002461 | - | - | - | - |
| R432002463 | - | - | - | - |

| Part No. | Holding power | Holding power | Switch-on power | Switch-on power | Pilot |
|------------|---------------|---------------|-----------------|-----------------|----------|
| | AC 50 Hz | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| R432006292 | - | - | - | - | Internal |
| R432006293 | - | - | - | - | Internal |
| R432030338 | 3.7 VA | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432006290 | 3.7 VA | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432006291 | 3.7 VA | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432002461 | - | - | - | - | External |
| R432002463 | - | - | - | - | Internal |

| Part No. | Control pressure min./max. | Valve plug connector |
|------------|----------------------------|------------------------------|
| R432006292 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432006293 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432030338 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432006290 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432006291 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432002461 | -0.8 ... 10.3 bar | Without valve plug connector |

| Part No. | Control pressure min./max. | Valve plug connector |
|------------|----------------------------|------------------------------|
| R432002463 | 2.5 ... 10.3 bar | Without valve plug connector |

| Part No. | basic valve with electrical connector | Weight |
|------------|---------------------------------------|---------|
| R432006292 | - | 2.54 kg |
| R432006293 | - | 2.45 kg |
| R432030338 | - | - |
| R432006290 | - | 2.59 kg |
| R432006291 | - | 2.59 kg |
| R432002461 | Basic valve without coil | 2.41 kg |
| R432002463 | Basic valve without coil | 2.41 kg |

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.

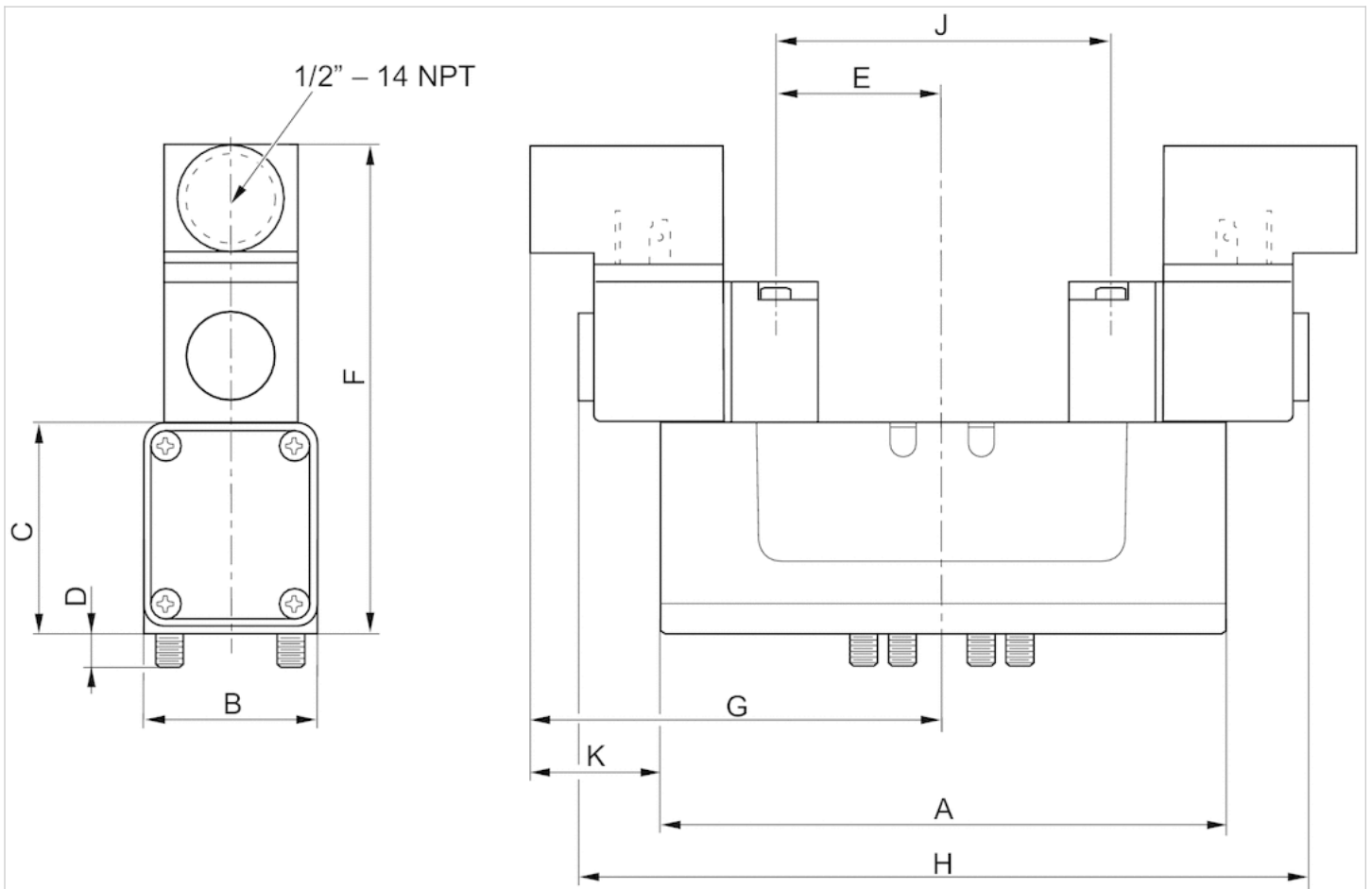
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|----------|---|
| Housing | Die cast zinc, painted gray Die-cast aluminum, painted gray |

Dimensions

Dimensions in inches

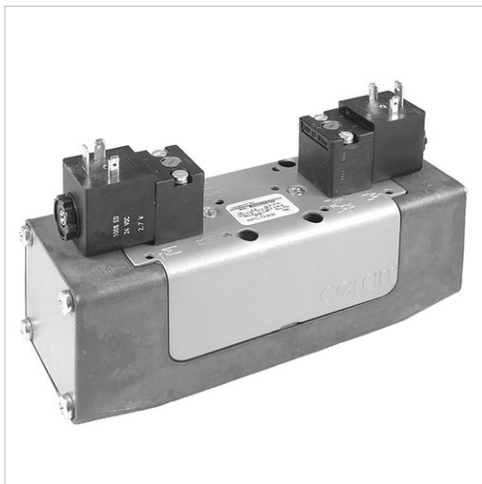


Dimensions in inches

| Part No. | A | B | C | D | E | F | G | H | J | K |
|------------|------|------|------|------|------|------|------|-------|------|------|
| R432006292 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006293 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432030338 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006290 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006291 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| - | - | - | - | - | - | - | - | - | - | - |
| R432002463 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |







5/3-directional valve, Series CERAM™, size 4

- 5/3
- $Q_n = 7500$ l/min
- Pilot valve width : 30 mm CNOMO
- closed center
- Plate connection
- Electrical connection : Plug, EN 175301-803, form A
- Can be assembled into blocks
- Manual override : with detent, without detent
- double solenoid single solenoid
- Pilot : Internal External



| | |
|------------------------------------|-----------------------------|
| Activation | Electrically |
| Blocking principle | Single base plate principle |
| Standards | ISO 5599-1, ISO 4 |
| Working pressure min./max. | 0 ... 10.3 bar |
| Control pressure min./max. | See table below |
| Ambient temperature min./max. | -15 ... 66 °C |
| Medium temperature min./max. | -15 ... 66 °C |
| Medium | Compressed air |
| Nominal flow Q_n | 7500 l/min |
| Compressed air connection | according to ISO 5599-1 |
| Protection class according to NEMA | NEMA 4 |
| mounting screws | M8 with hexagon socket |
| Weight | 2.46 kg |

Technical data

| Part No. | | MO | Compressed air connection | |
|------------|---|---|---------------------------|-----------------------|
| | | | | Pilot Exhaust |
| R432029042 |  | TT R - TT R - TT R - TT R - TT R - TT R - | closed center | Base plate ISO 5599-1 |
| R432006284 | — | | closed center | Base plate ISO 5599-1 |
| R432030339 |  | | closed center | Base plate ISO 5599-1 |
| R432006283 |  | | closed center | Base plate ISO 5599-1 |
| R432030340 |  | | closed center | Base plate ISO 5599-1 |
| R432002462 |  | | closed center | Base plate ISO 5599-1 |
| R432002460 |  | | closed center | Base plate ISO 5599-1 |

| Part No. | Operational voltage | Operational voltage | Operational voltage |
|------------|---------------------|---------------------|---------------------|
| | DC | AC 50 Hz | AC 60 Hz |
| R432029042 | 12 V | - | - |
| R432006284 | 24 V | - | - |
| R432030339 | - | 24 V | 24 V |
| R432006283 | - | 110 V | 120 V |
| R432030340 | - | 220 V | 240 V |
| R432002462 | - | - | - |
| R432002460 | - | - | - |

| Part No. | Voltage tolerance | Voltage tolerance | Voltage tolerance | Power consumption |
|------------|-------------------|-------------------|-------------------|-------------------|
| | DC | AC 50 Hz | AC 60 Hz | DC |
| R432029042 | -10% / +10% | - | - | 2.7 W |
| R432006284 | -10% / +10% | - | - | 2.7 W |
| R432030339 | - | -10% / +10% | -10% / +10% | - |
| R432006283 | - | -10% / +10% | -10% / +10% | - |
| R432030340 | - | -10% / +10% | -10% / +10% | - |
| R432002462 | - | - | - | - |
| R432002460 | - | - | - | - |

| Part No. | Holding power | Holding power | Switch-on power | Switch-on power | Pilot |
|------------|---------------|---------------|-----------------|-----------------|----------|
| | AC 50 Hz | AC 60 Hz | AC 50 Hz | AC 60 Hz | |
| R432029042 | - | - | - | - | Internal |
| R432006284 | - | - | - | - | Internal |
| R432030339 | 3.7 VA | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432006283 | 3.7 VA | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432030340 | 3.7 VA | 3.7 VA | 6.4 VA | 6.4 VA | Internal |
| R432002462 | - | - | - | - | Internal |
| R432002460 | - | - | - | - | External |

| Part No. | Control pressure min./max. | Valve plug connector |
|------------|----------------------------|------------------------------|
| R432029042 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432006284 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432030339 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432006283 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432030340 | 2.5 ... 10.3 bar | Without valve plug connector |
| R432002462 | 2.5 ... 10.3 bar | Without valve plug connector |

| Part No. | Control pressure min./max. | Valve plug connector |
|------------|----------------------------|------------------------------|
| R432002460 | -0.8 ... 10.3 bar | Without valve plug connector |

| Part No. | basic valve with electrical connector |
|------------|---------------------------------------|
| R432029042 | - |
| R432006284 | - |
| R432030339 | - |
| R432006283 | - |
| R432030340 | - |
| R432002462 | Basic valve without coil |
| R432002460 | Basic valve without coil |

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.

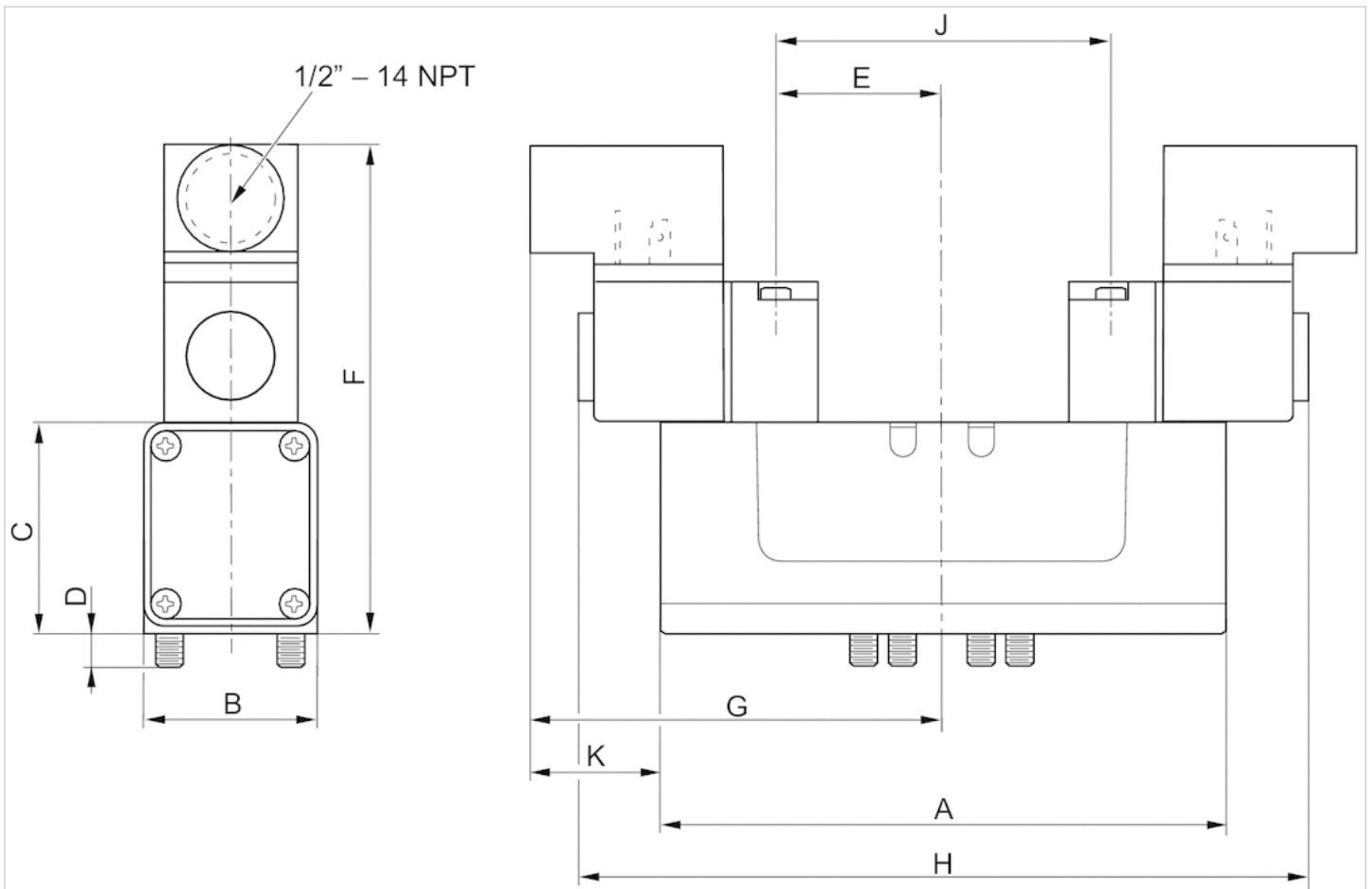
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).

Technical information

| Material | |
|----------|---------------------------------|
| Housing | Die-cast aluminum, painted gray |

Dimensions

Dimensions in inches



Dimensions in inches

| Part No. | A | B | C | D | E | F | G | H | J | K |
|------------|------|------|------|------|------|------|------|-------|------|------|
| R432029042 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006284 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432030339 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432006283 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432030340 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| R432002462 | 8.62 | 3.09 | 2.89 | 0.41 | 1.62 | 5.32 | 6.65 | 13.31 | 3.25 | 0.68 |
| - | - | - | - | - | - | - | - | - | - | - |

Blanking plate

- standard ISO 5599-1
- Frame size ISO 1 ISO 2 ISO 3 ISO 4



| | |
|--------------------------------|-----------------|
| Standards | ISO 5599-1 |
| Working pressure min./max. | -1 ... 16 bar |
| Ambient temperature min./max. | -20 ... 70 °C |
| Medium temperature min./max. | -20 ... 70 °C |
| Medium | Compressed air |
| Number of valve positions max. | 1 |
| Weight | See table below |

Technical data

| Part No. | Frame size | Weight |
|------------|------------|----------|
| 5801870000 | ISO 1 | 0.055 kg |
| 5802870000 | ISO 2 | 0.1 kg |
| 5803870000 | ISO 3 | 0.21 kg |
| 5804870000 | ISO 4 | 0.27 kg |

Scope of delivery incl. seal and mounting screws

Technical information

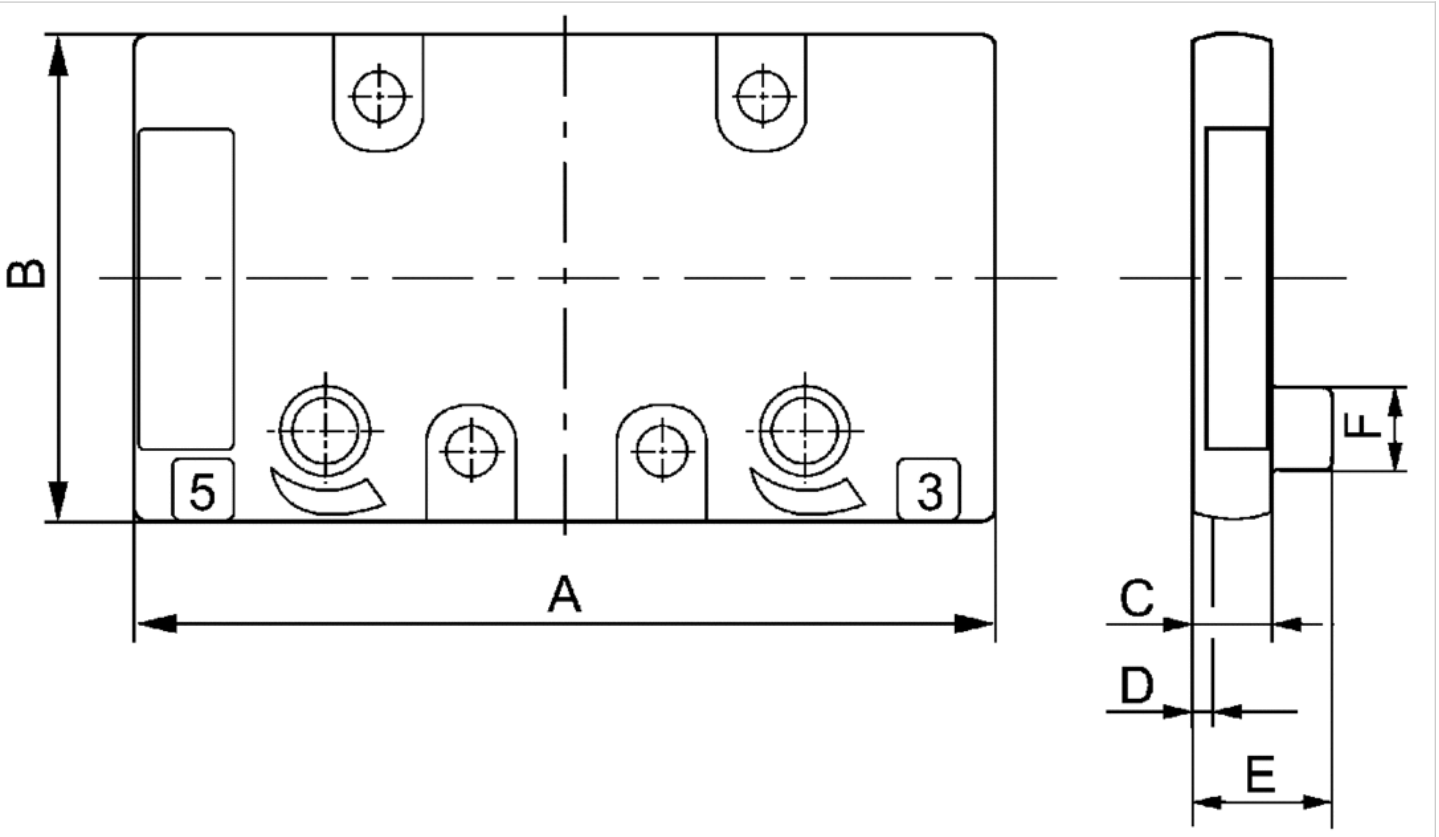
The min. control pressure must be adhered to, since otherwise faulty switching and valve failure may result!
 The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
 The oil content of compressed air must remain constant during the life cycle.
 Use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

Technical information

| Material | |
|------------|----------------------------------|
| Housing | Die-cast aluminum, black painted |
| Base plate | Die-cast aluminum |
| Seal | Acrylonitrile butadiene rubber |

Dimensions

Dimensions

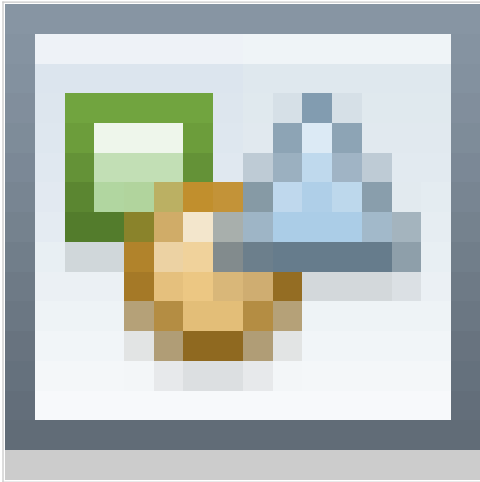


Dimensions

| Part No. | A | B | C | D | E | F | Weight |
|------------|-------|------|----|---|----|----|----------|
| 5801870000 | 69 | 39 | 7 | 2 | – | – | 0.055 kg |
| 5802870000 | 86.4 | 49.4 | 9 | 2 | – | – | 0.1 kg |
| 5803870000 | 116.5 | 63.5 | 10 | 2 | 15 | 12 | 0.21 kg |
| 5804870000 | 142.5 | 74.5 | 10 | 2 | 20 | 15 | 0.27 kg |

Pressure regulator for vertical stacking








- standard ISO 5599-1
- Frame size ISO 1
- Controlled port 1 2 4 2, 4



| | |
|-------------------------------|---------------------------|
| Working pressure min./max. | 16 bar |
| Adjustment range min./max. | 0.5 ... 12 bar |
| Ambient temperature min./max. | 5 ... 50 °C |
| Medium | Compressed air |
| Max. particle size | 5 µm |
| Oil content of compressed air | 0 ... 5 mg/m ³ |
| Weight | See table below |

The delivered product may vary from that in the illustration.

Technical data

| Part No. | | Frame size | Controlled port | Weight | Fig. | |
|------------|---|------------|-----------------|---------|--------|----|
| 0821302048 |  | ISO 1 | 1 | 1.15 kg | Fig. 1 | 1) |
| 0821302060 |  | ISO 1 | 1 | 1.19 kg | Fig. 1 | 2) |
| 0821302054 |  | ISO 1 | 2 | 1.15 kg | Fig. 1 | 1) |
| 0821302062 |  | ISO 1 | 2 | 1.19 kg | Fig. 1 | 2) |
| 0821302057 |  | ISO 1 | 4 | 1.15 kg | Fig. 1 | 1) |
| 0821302063 |  | ISO 1 | 4 | 1.19 kg | Fig. 1 | 2) |
| 0821302051 |  | ISO 1 | 2, 4 | 1.57 kg | Fig. 2 | 1) |
| 0821302061 |  | ISO 1 | 2, 4 | 1.61 kg | Fig. 2 | 2) |

Scope of delivery incl. seal and mounting screws, pressure regulator without gauge adapter, cannot be combined with IS12 ISO valves

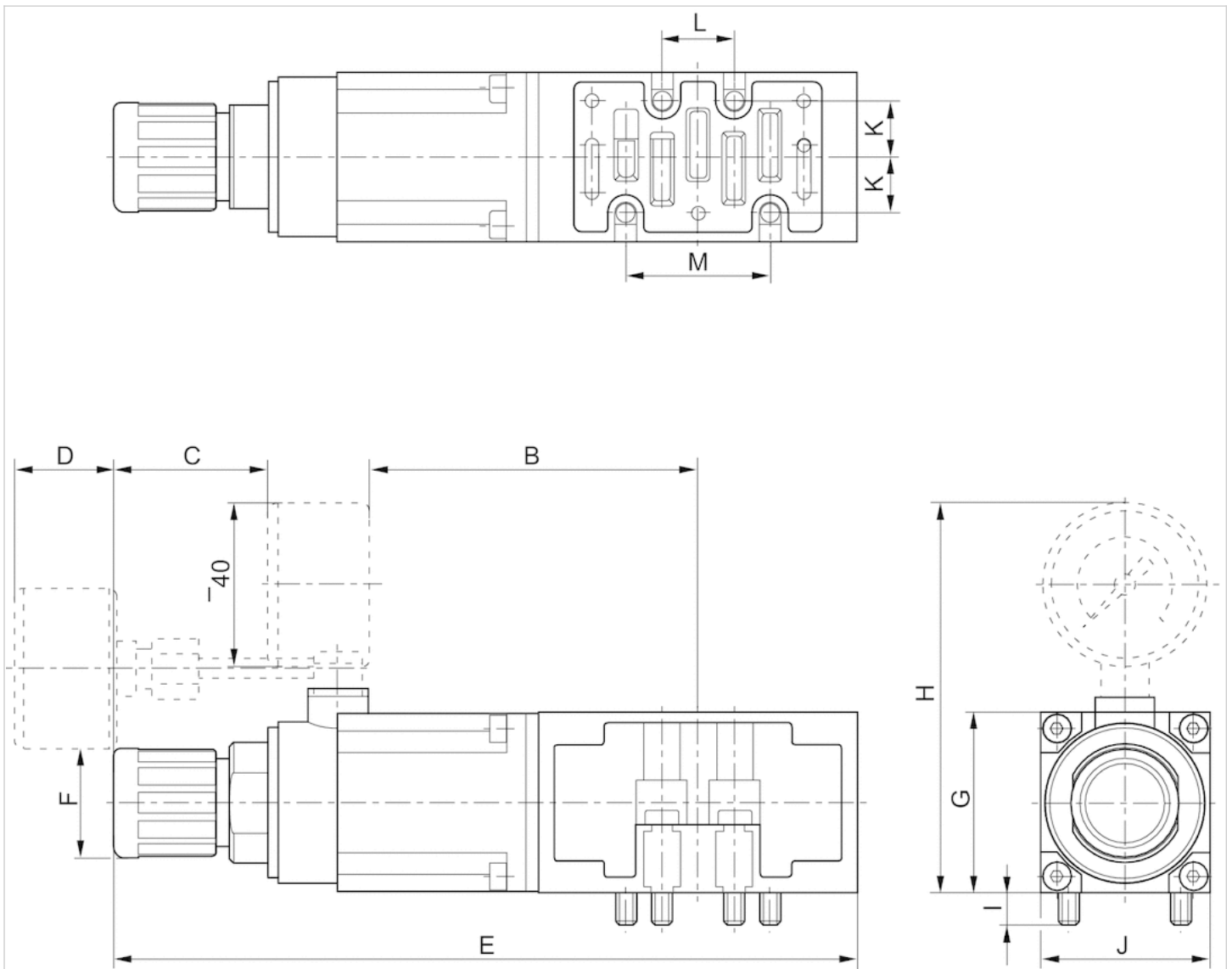
- 1) with pressure gauge
- 2) with pressure gauge and adapter

Technical information

| Material | |
|----------|------------------|
| Housing | Zinc |
| Seals | Butadiene rubber |

Dimensions

Fig. 1

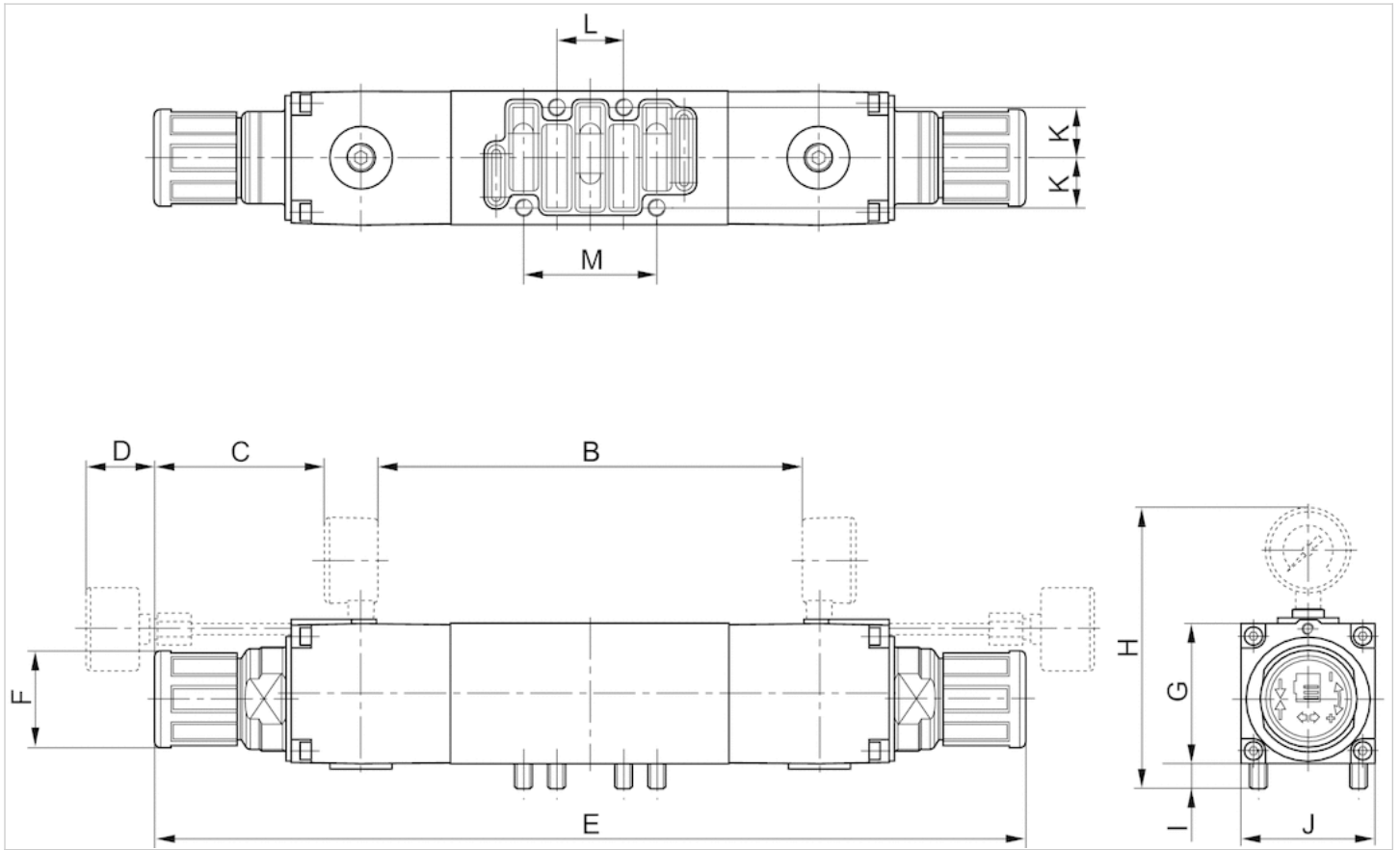


Dimensions

| Part No. | B±5 | C±5 | D±5 | E±7 | Ø F | G±5 | H±5 | I±2.5 | J±5 | K±2.5 | L±2.5 | M±5 |
|------------|-----|------|-----|-----|-----|-----|------|-------|------|-------|-------|-----|
| 0821302048 | 82 | 38,6 | — | 186 | 27 | 45 | 97,5 | 8 | 42.5 | 14 | 18 | 36 |
| 0821302060 | — | — | 25 | 186 | 27 | 45 | 97,5 | 8 | 42.5 | 14 | 18 | 36 |
| 0821302054 | 82 | 38,5 | — | 199 | 27 | 45 | 97,5 | 8 | 42.5 | 14 | 18 | 36 |
| 0821302062 | — | — | 25 | 199 | 27 | 45 | 97,5 | 8 | 42.5 | 14 | 18 | 36 |

Dimensions

Fig. 2

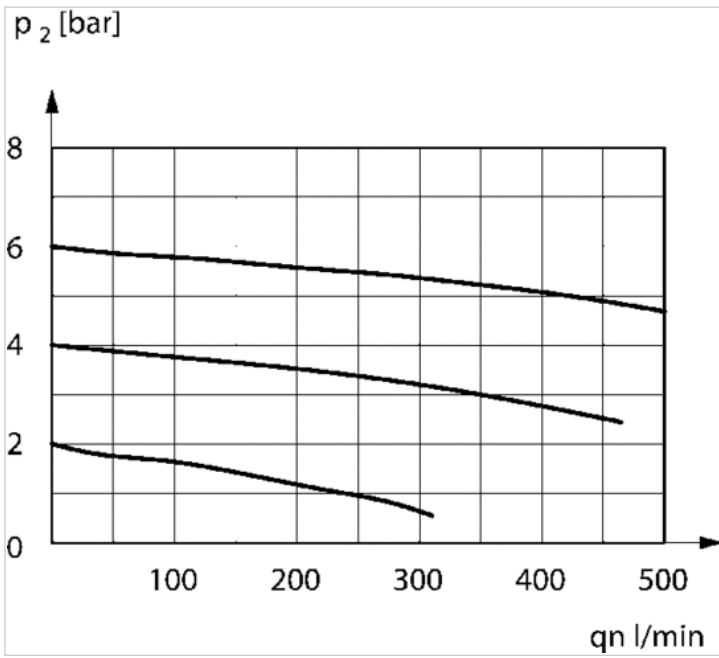


Dimensions

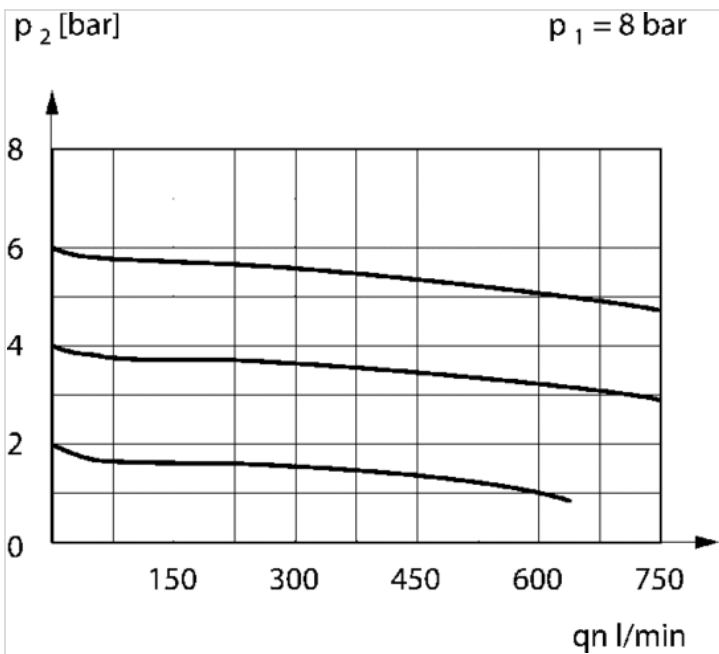
| Part No. | B±5 | C±5 | D±5 | E±7 | Ø F | G±5 | H±5 | I±2.5 | J±5 | K±2.5 | L±2.5 | M±5 |
|------------|-----|------|-----|-----|-----|-----|------|-------|------|-------|-------|-----|
| 0821302051 | 164 | 38,6 | — | 292 | 27 | 45 | 96,5 | 8 | 42.5 | 14 | 18 | 36 |
| 0821302061 | — | — | 25 | 292 | 27 | 45 | — | 8 | 42.5 | 14 | 18 | 36 |

Diagrams

Flow rate characteristic



controlled connection 1
 Controlled connection 2
 Controlled connection 4



Controlled connection 2/4

Valve plug connector, series CON-VP

- Socket, 2+E, angled, 90° Socket, 3+E, angled, 90°

- EN 175301-803

- unshielded

- with LED Yellow Red Green green/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. | Electrical connection | Operational voltage | Max. current |
|------------|-----------------------|---------------------|--------------|
| | | | |
| 1834484048 | Socket 2+E angled 90° | - | 10 A |
| 1834484059 | Socket 3+E angled 90° | - | 10 A |
| 1834484101 | Socket 2+E angled 90° | 24 V AC/DC | - |
| 1834484102 | Socket 2+E angled 90° | 110 V AC | - |
| 1834484103 | Socket 2+E angled 90° | 230 V AC | - |
| 8941016112 | Socket 2+E angled 90° | 230 V AC | - |
| 8941012462 | Socket 3+E angled 90° | 24 V DC | 8 A |

| Part No. | Protective circuit | Contact assignment | LED status display | suitable cable-Ø min./max |
|------------|--------------------|--------------------|--------------------|---------------------------|
| 1834484048 | - | 2+E | - | 6 / 8 mm |
| 1834484059 | - | 3+E | - | 6 / 8 mm |
| 1834484101 | Z-diode | 2+E | Yellow | 6 / 8 mm |
| 1834484102 | Varistor | 2+E | Red | 6 / 8 mm |
| 1834484103 | Varistor | 2+E | Red | 6 / 8 mm |
| 8941016112 | Varistor | 2+E | Green | 6 / 10 mm |
| 8941012462 | - | 3+E | green/red | 4.5 / 11 mm |

| Part No. | Seal | Weight | |
|------------|---------------------------------|----------|----|
| 1834484048 | caoutchouc/butadiene caoutchouc | 0.03 kg | 1) |
| 1834484059 | caoutchouc/butadiene caoutchouc | 0.03 kg | 1) |
| 1834484101 | Silicone caoutchouc | 0.03 kg | 2) |
| 1834484102 | caoutchouc/butadiene caoutchouc | 0.03 kg | 1) |
| 1834484103 | Silicone caoutchouc | 0.025 kg | 1) |
| 8941016112 | caoutchouc/butadiene caoutchouc | 0.03 kg | 1) |
| 8941012462 | caoutchouc/butadiene caoutchouc | 0.03 kg | 2) |

- 1) Profile seal
- 2) Flat gasket

Technical information

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

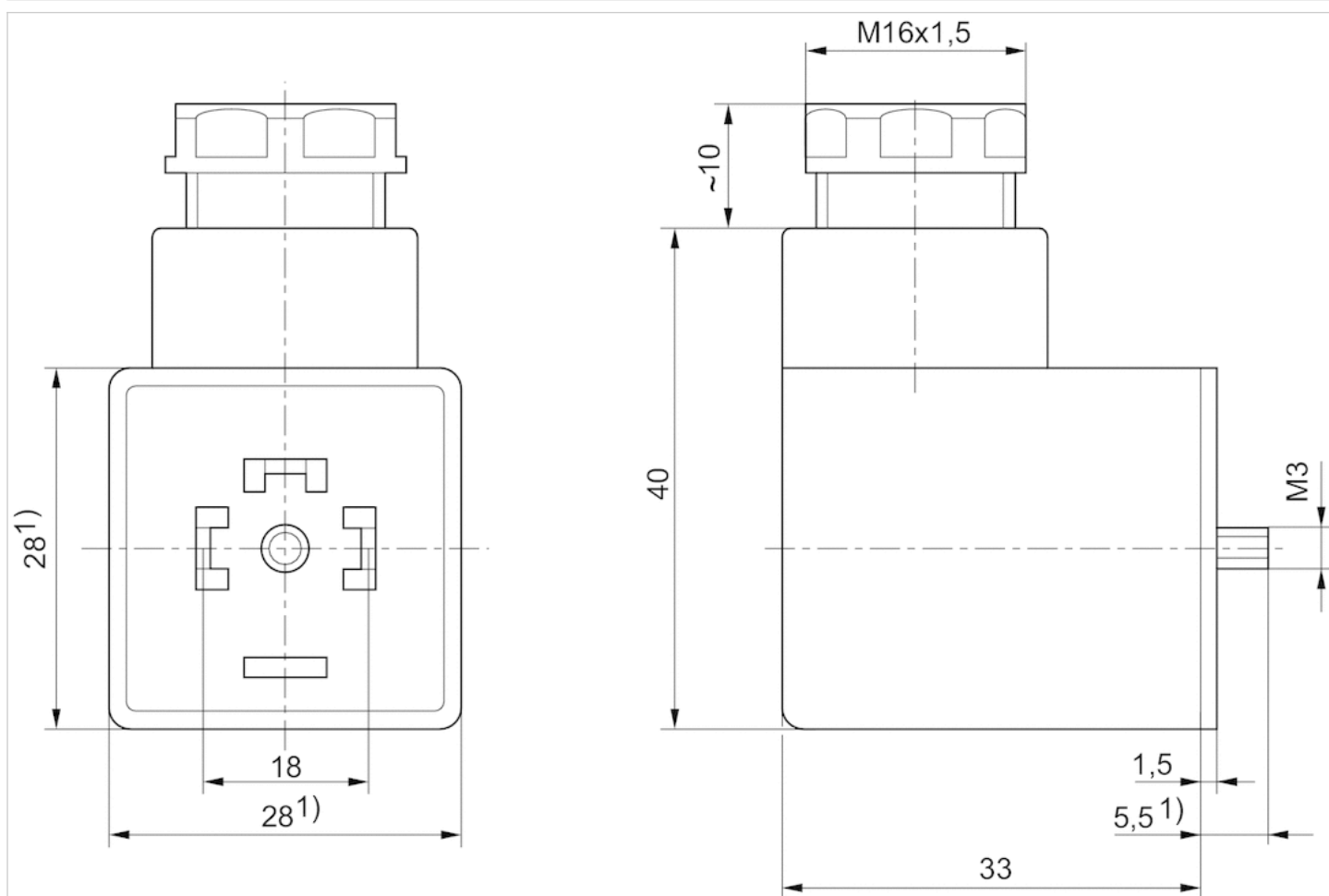
Technical information

Material

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

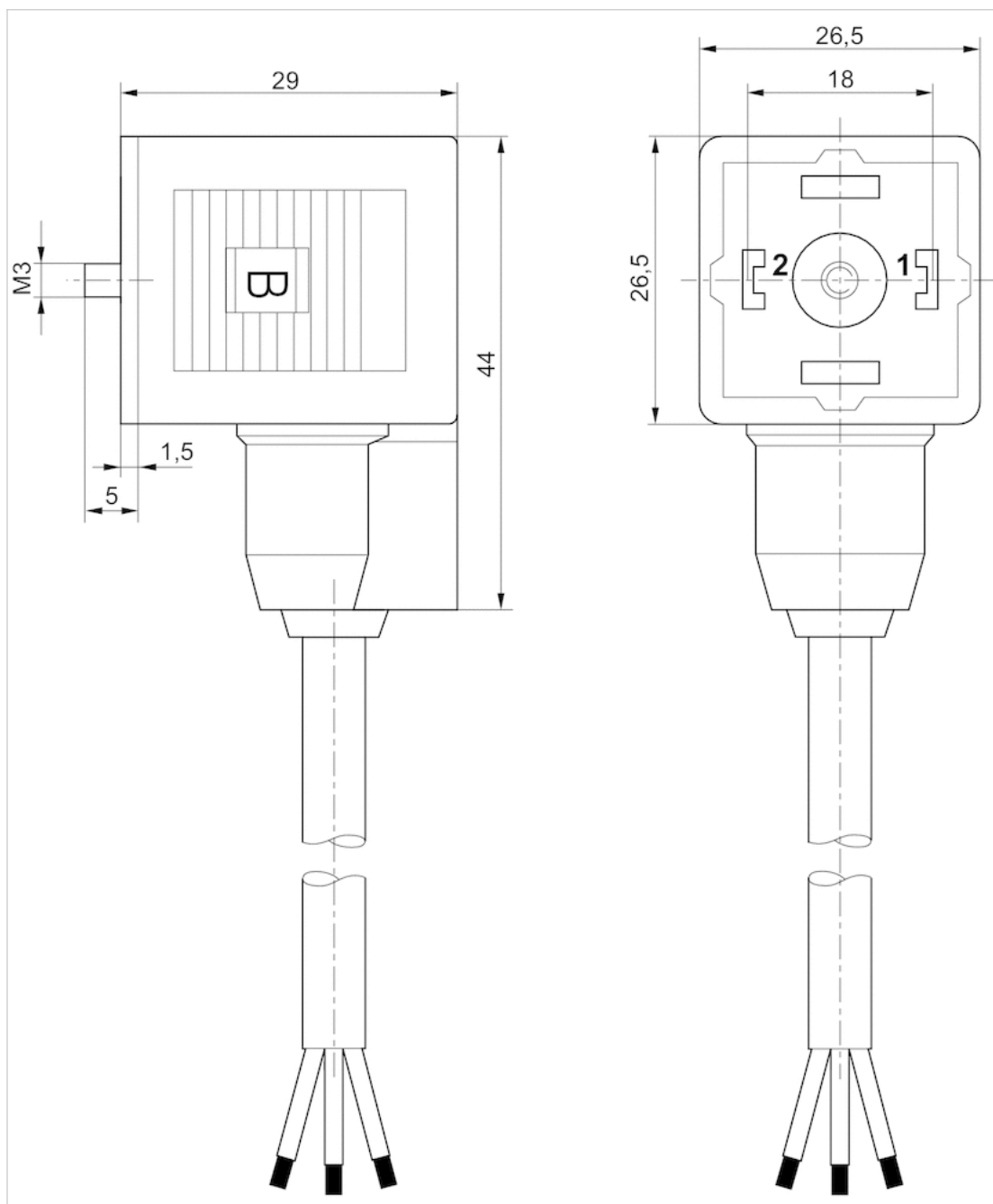
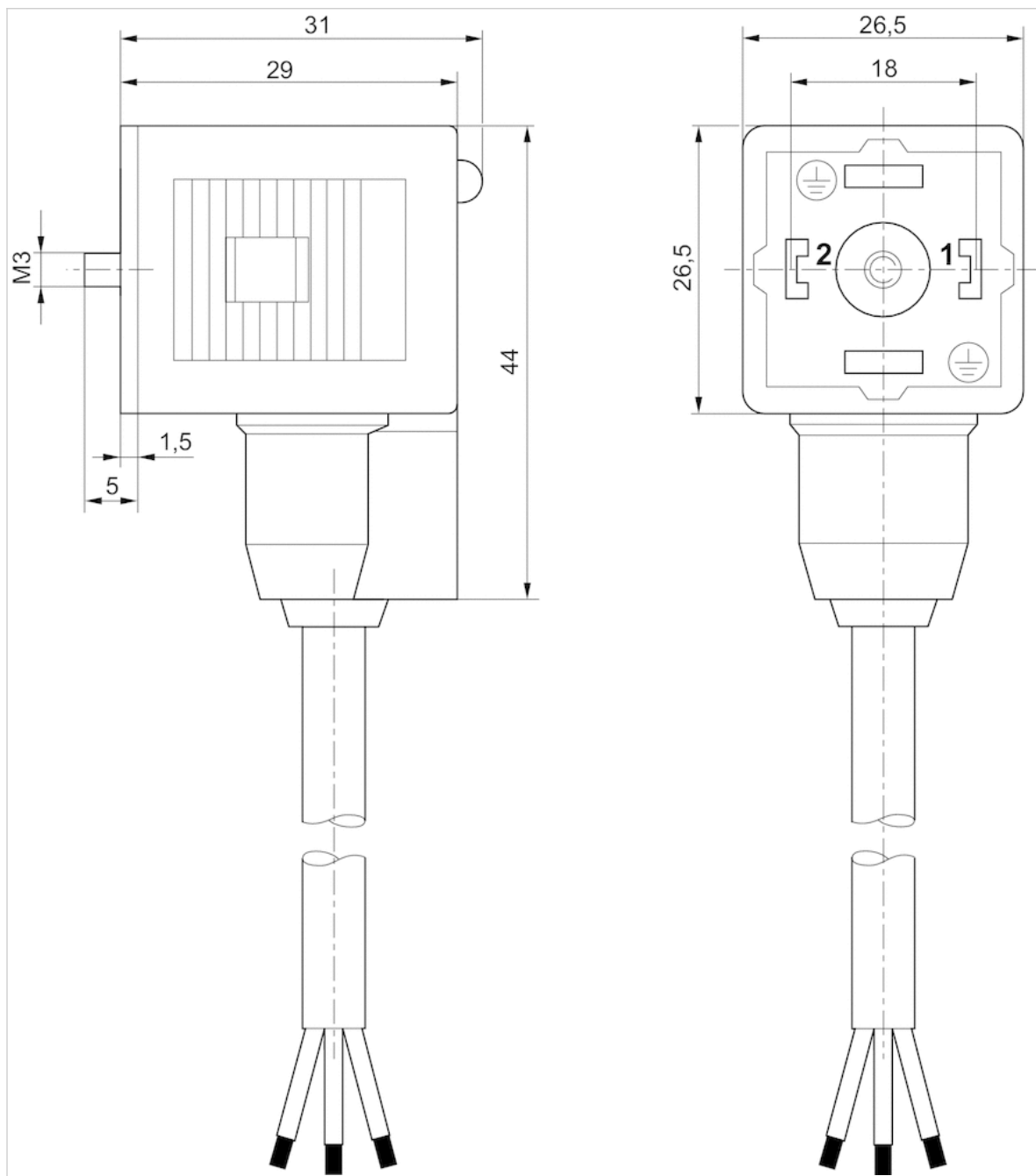


Fig. 2

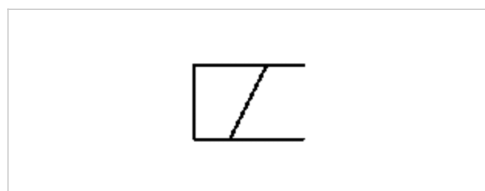


Coil, Series C01

- form A
- Coil width 30 mm
- Power consumption DC 2.7 W
- Holding power AC 1.6 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 | Operational voltage |
|------------|---------------------|---------------------|---------------------|
| | DC | AC 50 Hz | AC 60 Hz |
| R432011985 | 110 V | - | - |
| R432011986 | 220 V | - | - |
| R432011989 | 24 V | - | - |
| R432011990 | - | 24 V | 24 V |

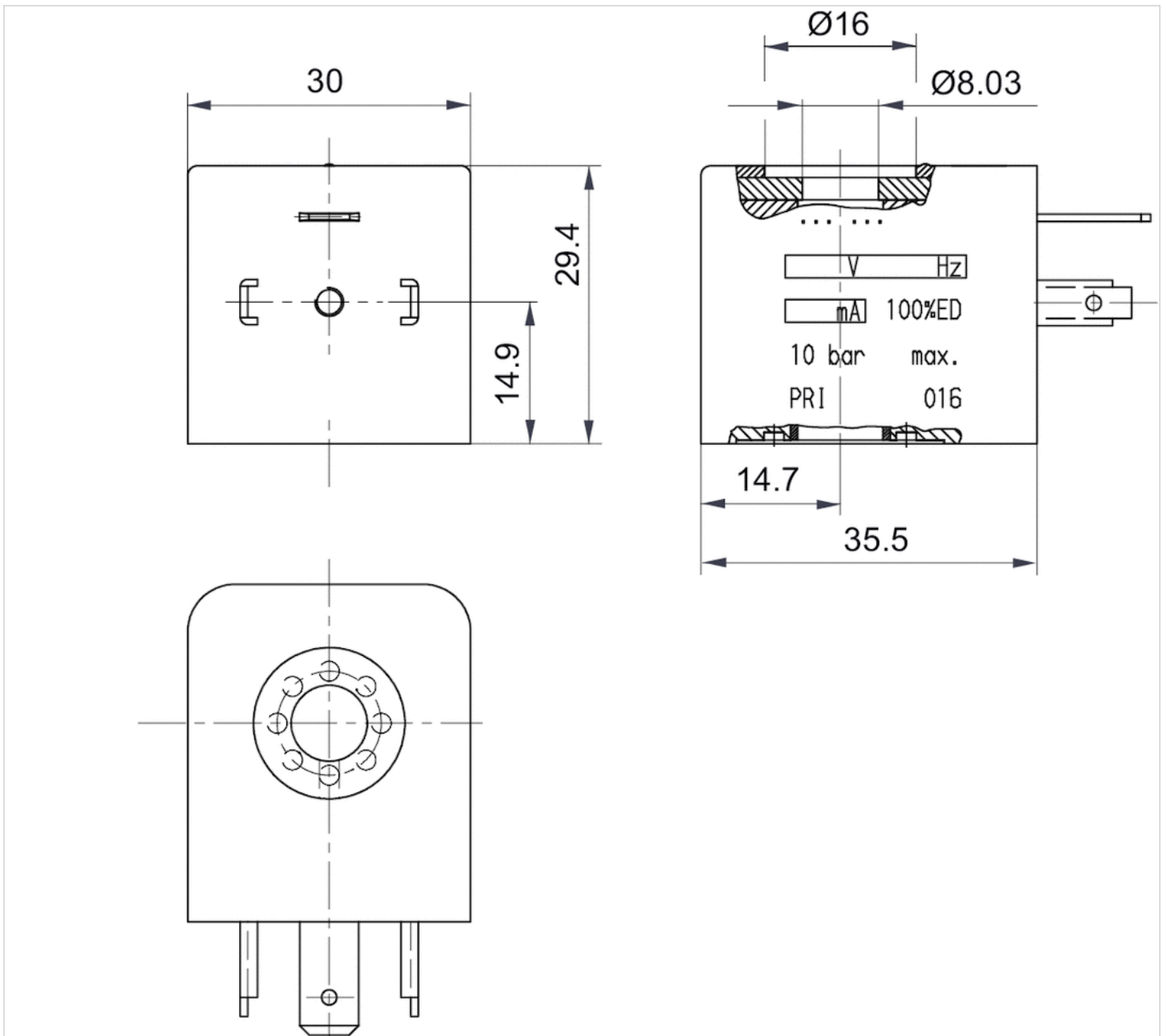
| Part No. | Voltage tolerance | Power consumption | Holding power | Holding power |
|------------|-------------------|-------------------|---------------|---------------|
| | DC | DC | AC 50 Hz | AC 60 Hz |
| R432011985 | -10% / +10% | 2.7 W | - | - |
| R432011986 | -10% / +10% | 2.7 W | - | - |
| R432011989 | -10% / +10% | 2.7 W | - | - |
| R432011990 | -10% / +10% | - | 1.6 VA | 1.4 VA |

Technical information

| Material | |
|----------|-------------------------|
| Housing | Thermoplastic elastomer |

Dimensions

Dimensions



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