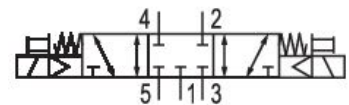
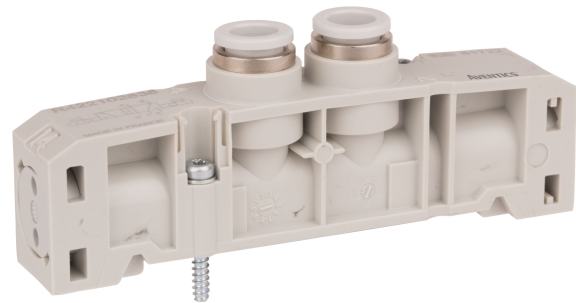


## AVENTICS Series ES05 Valve systems

The AVENTICS Series ES05 is ideal for standard pneumatic applications. Its simplicity and modularity make it especially well-suited for applications that require quick changes or extensions. Due to its modular system consisting of a limited number of components and the one-tool concept, the ES05 is also easy to assemble in-house.



## Technical data

|                                  |                 |
|----------------------------------|-----------------|
| Industry                         | Industrial      |
| Activation                       | Electrically    |
| Valve function                   | Closed Center   |
| Actuating control                | Double Solenoid |
| Sealing principle                | Soft seal       |
| Compressed air connection input  | Ø 3/8           |
| Compressed air connection output | Base plate      |
| Nominal flow Qn                  | 500 l/min       |
| Min. working pressure            | -0.8 bar        |
| Max. working pressure            | 8 bar           |
| Min. control pressure            | 3 bar           |
| Max. control pressure            | 8 bar           |

|                                    |                                        |
|------------------------------------|----------------------------------------|
| Switch-on time                     | <20                                    |
| Switch-off time                    | <20                                    |
| Min. ambient temperature           | 5 °C                                   |
| Max. ambient temperature           | 50 °C                                  |
| Min. medium temperature            | 5 °C                                   |
| Max. medium temperature            | 50 °C                                  |
| Medium                             | Compressed air                         |
| Min. oil content of compressed air | 0 mg/m <sup>3</sup>                    |
| Max. oil content of compressed air | 5 mg/m <sup>3</sup>                    |
| Max. particle size                 | 40 µm                                  |
| Mounting screws                    | Hexalobular socket (TORX) ISO 10664-10 |
| Mounting screw tightening torque   | 0.9 Nm                                 |
| Tightening torque tolerance        | ±0,1 mT                                |
| Delivery unit                      | 5 piece                                |
| Weight                             | 0.16 kg                                |

## Material

|                  |                                |
|------------------|--------------------------------|
| Housing material | Polyamide<br>Polyoxymethylene  |
| Seal material    | Acrylonitrile butadiene rubber |
| Part No.         | R422P03640                     |

## 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 less than 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 <https://www.emerson.com/en-us/support>).

# 5/3 directional valve function, ES05 -inch

R422P03640

ES05

2024-04-02

## Dimensions



1) Screws for plastic Ø3

2) Ø 3/8"