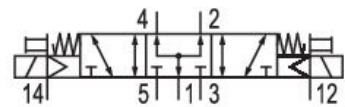
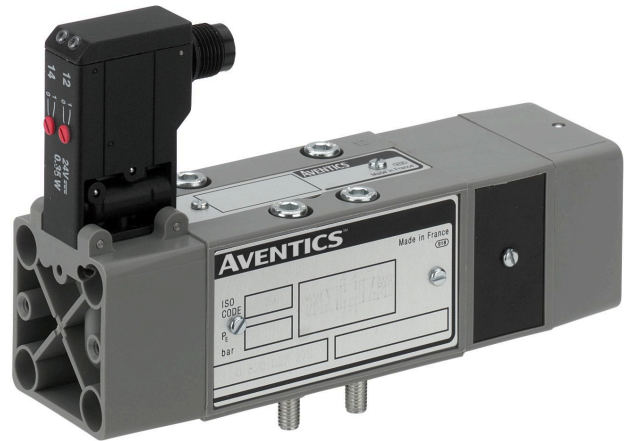


## Series IS12, size 1

The AVENTICS Series IS12 complies with the valve standard ISO 5599-1. The Series offers electrically controlled ISO valves of size IOS1 and 2 with Form A or central M12 connectors.



## Technical data

|                                       |                       |
|---------------------------------------|-----------------------|
| Industry                              | Industrial            |
| Activation                            | Electrically          |
| Nominal flow Qn                       | 880 l/min             |
| Version                               | Pressurized Center    |
| Compressed air connection output      | Base plate ISO 5599-1 |
| Min. working pressure                 | -0.9 bar              |
| Max. working pressure                 | 10 bar                |
| Operational voltage                   | 24 V DC               |
| Operational voltage DC                | 24 V                  |
| Voltage tolerance DC                  | -10% / +10%           |
| Manual override                       | without detent        |
| Electrical connection type            | Plug                  |
| Electrical connection size            | M12                   |
| Electrical connection number of poles | 3-pin                 |
| Actuating control                     | Double Solenoid       |
| Sealing principle                     | Soft seal             |
| Pilot                                 | External              |
| Standards                             | ISO 5599-1            |
| Pilot valve width                     | 15 mm                 |

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| Valve type                              | Spool valve, positive overlapping |
| Blocking principle                      | Single base plate principle       |
| Connection type                         | Plate connection                  |
| Compressed air connection input         | Base plate ISO 5599-1             |
| Compressed air connection, exhaust      | Base plate ISO 5599-1             |
| Compressed air connection pilot input   | Base plate ISO 5599-1             |
| Compressed air connection pilot exhaust | Base plate ISO 5599-1             |
| Power consumption DC                    | 0.35 W                            |
| Nominal resistance                      | 1480 $\Omega$                     |
| Frame size                              | ISO 1                             |
| Min. control pressure                   | 2.5 bar                           |
| Max. control pressure                   | 10 bar                            |
| Min. ambient temperature                | 0 °C                              |
| Max. ambient temperature                | 50 °C                             |
| Min. medium temperature                 | 0 °C                              |
| Max. medium temperature                 | 50 °C                             |
| Medium                                  | Compressed air                    |
| Max. particle size                      | 5 $\mu\text{m}$                   |
| Min. oil content of compressed air      | 0 mg/m <sup>3</sup>               |
| Max. oil content of compressed air      | 5 mg/m <sup>3</sup>               |
| Protection class with connection        | IP65                              |
| LED status display                      | Yellow                            |
| Duty cycle                              | 100 %                             |
| Mounting screws                         | M5 with hexagon socket            |
| Mounting screw tightening torque        | 2.2 Nm                            |
| Weight                                  | 0.31 kg                           |
| Housing material                        | Polyamide                         |
| Seal material                           | Acrylonitrile butadiene rubber    |
| Material front plate                    | Polyamide                         |
| Part No.                                | 0820027326                        |

## 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.

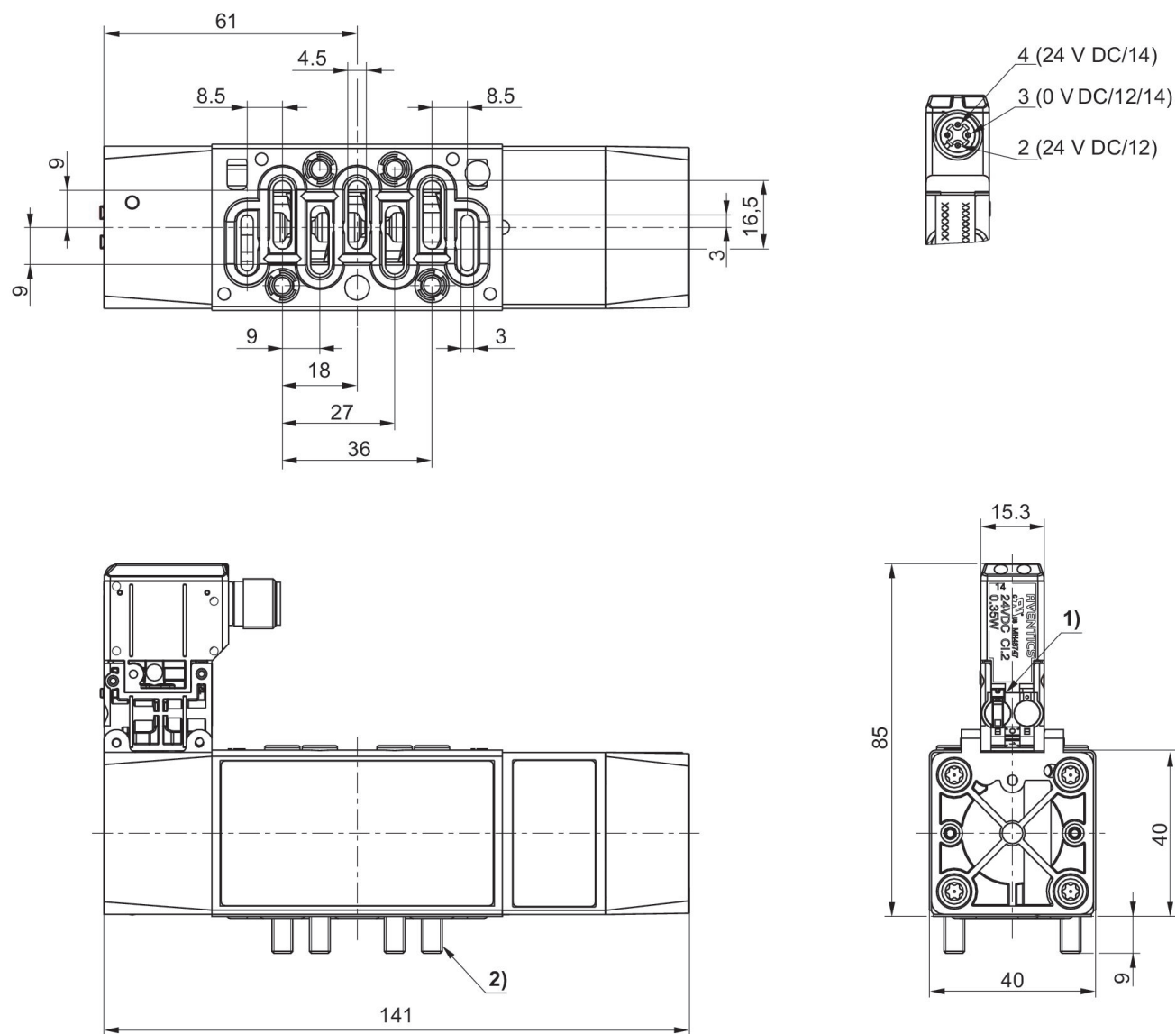
The oil content of compressed air must remain constant during the life cycle.

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>).

Switch-on power: 1 W for 40 ms

## 0820027326

## Dimensions



2) 4 screws M4x40 DIN 912