

## Data Sheet

Directional Control Valve - Compact Valves

## DS245SR61-W

DS2-3/2 Single Solenoid Operated With Spring Return - DS2-3/2 Single Solenoid Operated With Spring Return



## Technical Specification

|                                        |                                                                                                                                                                                                    |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description                    | Single Solenoid Pilot Operated Valve with Spring Return - G1/4 , 3/2 Normally Closed, 24V DC                                                                                                       |
| Large Description                      | <ul style="list-style-type: none"> <li>• DS245SR61-W</li> <li>• Single Solenoid Pilot Operated Valve with Spring Return - G1/4 , 3/2 Normally Closed, 24V DC</li> <li>• Standard Socket</li> </ul> |
| HSN Code                               | 84818050                                                                                                                                                                                           |
| Design Type                            | DS2-Spool Type                                                                                                                                                                                     |
| Number of Port and Positions           | 3/2 Normally Closed                                                                                                                                                                                |
| Mode of Actuation                      | Solenoid                                                                                                                                                                                           |
| Mode of Reset                          | Spring                                                                                                                                                                                             |
| Flowrate in LPM (Inlet to Outlet Port) | 1200                                                                                                                                                                                               |
| Flowrate in CFM (Inlet to Outlet Port) | 42.37                                                                                                                                                                                              |
| Thread Type                            | BSP(G)                                                                                                                                                                                             |
| Port Size                              | G1/4                                                                                                                                                                                               |
| Outlet Port (2)                        | G1/4                                                                                                                                                                                               |
| Outlet Port (4)                        | Not Applicable                                                                                                                                                                                     |
| Exhaust (3)                            | G1/4                                                                                                                                                                                               |
| Manual Override                        | Push and Turn to Lock                                                                                                                                                                              |
| Operating Medium                       | Compressed Air Dry, Filtered, Lubricated                                                                                                                                                           |

|                                  |                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating Pressure Range {bar}   | 2 to 10                                                                                                                                         |
| Operating Pressure Range (psi)   | 29 to 145                                                                                                                                       |
| Operating Pressure Range (MPa)   | 0.2 to 1                                                                                                                                        |
| Mounting Type                    | Individual, Manifold Mountable                                                                                                                  |
| Coil Voltage Type                | DC                                                                                                                                              |
| Voltage Rating {+/-10%}          | 24V                                                                                                                                             |
| Power Consumption                | 5W                                                                                                                                              |
| Coil Width                       | 22 MM                                                                                                                                           |
| Coil Type                        | Standard                                                                                                                                        |
| Socket Type                      | Standard Socket                                                                                                                                 |
| Coil Connection Type             | PG9 (Cable OD 6 - 8 mm)                                                                                                                         |
| Catalogue Dim L (mm)             | 126                                                                                                                                             |
| Catalogue Dim B (mm)             | 26                                                                                                                                              |
| Catalogue Dim H (mm)             | 70                                                                                                                                              |
| Product Weight [kilograms]       | 0.25                                                                                                                                            |
| Product Weight [pounds]          | 0.55                                                                                                                                            |
| Package size L x B x H (mm)      | Nil                                                                                                                                             |
| Gross Product Weight [kilograms] | 0.25                                                                                                                                            |
| Gross Product Weight [pounds]    | 0.55                                                                                                                                            |
| Seal Kit Part Number             | SK4033                                                                                                                                          |
| Actuator Assembly                | SC3001                                                                                                                                          |
| Coil (without Connector)         | DC24W                                                                                                                                           |
| Modular Solenoid Valve           | Nil                                                                                                                                             |
| Connectors                       | <ul style="list-style-type: none"> <li>• R1/4 x Dia 6-OD Tubing</li> <li>• R1/4 x Dia 8-OD Tubing</li> <li>• R1/4 x Dia 10-OD Tubing</li> </ul> |
| Tubes                            | Dia 6, Dia 8 & Dia 10                                                                                                                           |
| Flow Control Valves              | <ul style="list-style-type: none"> <li>• R1/4 x Dia 6-OD Tubing</li> <li>• R1/4 x Dia 8-OD Tubing</li> <li>• R1/4 x Dia 10-OD Tubing</li> </ul> |
| Product Group                    | Directional Control Valve                                                                                                                       |
| Ambient Temperature °C           | -10 °C to +60 °C                                                                                                                                |
| Ambient Temperature °F           | 14 °F to 140 °F                                                                                                                                 |
| Medium Temperature °C            | 5 °C to 50 °C                                                                                                                                   |
| Medium Temperature °F            | 41 °F to 122 °F                                                                                                                                 |

|                                   |                                                                                                                                                                                                                                                                            |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material of construction          | Aluminium, Nitrile, Brass, Acetal, PBT, Zinc, SS, Polyamide, Viton                                                                                                                                                                                                         |
| Features                          | <ul style="list-style-type: none"> <li>• Suitable for manifold mounting</li> <li>• Mounting position for individual unit</li> <li>• Compact size</li> <li>• Manual override</li> <li>• Wide range of manifolds available</li> <li>• Wide range of coil voltages</li> </ul> |
| Note                              | At Inlet Pressure 6 bar (87 psi, 0.6 Mpa), and pressure drop $\Delta p = 1$ bar (145 psi, 0.1 Mpa)                                                                                                                                                                         |
| Class of Insulation               | Class F                                                                                                                                                                                                                                                                    |
| Duty Cycle                        | Continuous                                                                                                                                                                                                                                                                 |
| Type of Coil Protection           | IP 65                                                                                                                                                                                                                                                                      |
| Unit of Measurement               | No's                                                                                                                                                                                                                                                                       |
| Minimum Order Quantity            | 1                                                                                                                                                                                                                                                                          |
| Is this part MadetoOrder?         | Yes                                                                                                                                                                                                                                                                        |
| Inner Package Quantity            | 1                                                                                                                                                                                                                                                                          |
| Manufacturer Name                 | Janatics India Pvt.Ltd                                                                                                                                                                                                                                                     |
| Brand Name                        | Janatics                                                                                                                                                                                                                                                                   |
| Countries of Origin               | India                                                                                                                                                                                                                                                                      |
| Temperature Storage Range Low °C  | -10 °C                                                                                                                                                                                                                                                                     |
| Temperature Storage Range Low °F  | 14 °F                                                                                                                                                                                                                                                                      |
| Temperature Storage Range High °C | 60 °C                                                                                                                                                                                                                                                                      |
| Temperature Storage Range High °F | 140 °F                                                                                                                                                                                                                                                                     |
| ATEX                              | Nil                                                                                                                                                                                                                                                                        |
| REACH                             | Nil                                                                                                                                                                                                                                                                        |
| ROHS                              | Nil                                                                                                                                                                                                                                                                        |