

Data Sheet

Directional Control Valve - Compact Valves

DS255SR61-WT0R0

DS2-5/2 Single Solenoid Operated With Spring Return - DS2-5/2 Single Solenoid Operated With Spring Return



Technical Specification

Product Description	Single Solenoid Pilot Operated Valve with Spring Return - G1/4 , 5 Port 2 Way, 24V DC
Large Description	• DS255SR61-WT0R0 • Single Solenoid Pilot Operated Valve with Spring Return - G1/4 , 5 Port 2 Way, 24V DC • With LED Indicator Red Colour, PG9 Cable Entry, Without Protection Circuit
HSN Code	84818050
Design Type	DS2-Spool Type
Valve Type	Pilot Operated Valve
Number of Port and Positions	5 Port 2 Way
Mode of Actuation	Solenoid
Mode of Reset	Spring
Flowrate in LPM (Inlet to outlet port)	1200
Flowrate in LPM (outlet to exhaust port)	700
Flowrate in CFM (Inlet to outlet port)	42.37
Flowrate in CFM (outlet to exhaust port)	24.72
Thread Type	BSP(G)
Port Size	G1/4
Outlet Port (2)	G1/4
Outlet Port (4)	G1/4

Exhaust (3)	G1/8
Exhaust (5)	G1/8
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
Voltage Type	DC
Voltage Rating {+/-10%}	24V
Power Consumption	5W
Class of Insulation	Class F
Coil Width	22 MM
Coil Type	Standard
Socket Type	With LED Indicator Red Colour, PG9 Cable Entry, Without Protection Circuit
Coil Connection Type	PG9 (cable OD 6 - 8 mm)
Catalogue Dim L (mm)	136
Catalogue Dim B (mm)	26
Catalogue Dim H (mm)	70
Product Weight [kilograms]	0.2725
Product Weight [pounds]	0.6
Package size L x B x H (mm)	Nil
Gross Product Weight [kilograms]	Nil
Gross Product Weight [pounds]	Nil
Seal kit Part Number	SK4015
Actuator Assembly	SC3001
Coil (without Connector)	DC24W
Modular Solenoid Valve	Not Applicable
Connectors	• R1/4 x Dia 6-OD Tubing • R1/4 x Dia 8-OD Tubing • R1/4 x Dia 10-OD Tubing
Tubes	Dia 6, Dia 8 & Dia 10

Flow Control Valves	• R1/4 x Dia 6-OD Tubing
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	• R1/4 x Dia 8-OD Tubing • R1/4 x Dia 10-OD Tubing
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, Stainless Steel, Polyamide, Viton
Mounting Type	Individual, Manifold Mountable
Duty Cycle	Continuous
Type of Coil Protection	IP 65
Features	• Suitable for manifold mounting • Mounting position for individual unit • Compact size • Manual override • Wide range of manifolds available • Wide range of coil voltages
Note	At Inlet Pressure 6 bar (87 psi, 0.6 MPa), and pressure drop $\Delta p = 1$ bar (145 psi, 0.1 MPa)
Unit of Measurement	No's
Minimum Order Quantity	1
Is this part Made to Order?	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

