

Parker Product Datasheet



The directional control valve series D1VW 8 Watt is based on the standard D1VW design. The low watt, low current solenoid (< 0.5 A) of this on/off valve allows a direct connection to a PLC.

PART NUMBER: D1VW004CNJDLJ5

SEAL MATERIAL: NBR

FUNCTION: Directional Control

SPOOL CODE: 004

ELECTRICAL PART OPTION: M12 pin assignment DESINA design, pins 1 and 2 connected

CONFIGURATION: na

SPOOL POSITION: 3 positions, spring offset in position 0, operated in position a or b

SOLENOID CONNECTION: M12x1 on coil as per IEC 61076-2-101

PRODUCT OVERVIEW

The directional control valve series D1VW 8 Watt in NG06 (CETOP 03 / NFPA D03) enables direct connections to a programmable logic controller (PLC) or a bus knot and thus saves the use of a relay. This on/off valve provides high functional limits up to 60 l/min in combination with a very low, energy-saving pressure drop due to optimized flow passages. The maximum pressure is 350 bar.

Markets:

- Industrial

Features/Benefits:

- Compact, proven design that represents our long-term experience in hydraulics
- Low pressure drop – resulting in low energy losses in operation

- Wide range of spools - fits all hydraulic systems
- Shortest lead time - no warehousing necessary

Applications:

- Machine tools

D1VW 8 Watt valves are offered with standard solenoid connection (as per EN175301-803) and M12 x 1 connection. The version with M12 x 1 connection and LEDs is conform to the DESINA standard (DistributEd and Standardised INStAllation technology) for machine tools and manufacturing systems.

TECH SPECIFICATIONS

DIVISION	Hydraulic Valve Systems Division Europe
SEAL MATERIAL	NBR
MAXIMUM OPERATING PRESSURE	350 bar
INPUT VOLTAGE	24 VDC
MINIMUM OPERATING TEMPERATURE	-25 °C
PORT CONNECTION	NG06 / CETOP 03
ACTUATION TYPE	Solenoid
MOUNTING TYPE	Subplate
POWER CONSUMPTION	8 W
MAXIMUM FLOW RATE	60 L/min
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
MOUNTING POSITION	Unrestricted
PRODUCT SERIES	Directional Control Valve
MOUNTING POSITION	Preferably Horizontal
FUNCTION	3-way
MAXIMUM OPERATING TEMPERATURE	60 °C

WEIGHT	2.1 kg
OPERATION TYPE	Direct
MAXIMUM KINEMATIC VISCOSITY	400 cSt
MINIMUM AMBIENT TEMPERATURE	-25 °C
MAXIMUM FLUID TEMPERATURE	70 °C
FILTER EFFICIENCY RATING	ISO 4406; 18/16/13
MINIMUM KINEMATIC VISCOSITY	2.8 cSt
CONFIGURATION	Directional spool valve
MAXIMUM AMBIENT TEMPERATURE	60 °C
MINIMUM FLUID TEMPERATURE	-25 °C