

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: D1VW020DNJWL

FUNCTION: Directional Control

SOLENOID CONNECTION: Connector as per EN 175301-803

CONFIGURATION: na

SPOOL POSITION: 2 positions, detent, operated in position a or b, no center position, no offset position

SPOOL CODE: 020

ELECTRICAL PART OPTION: M12 pin assignment, pins 1 and 2 not connected

SEAL MATERIAL: NBR

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

FUNCTION	2-way
OPERATION TYPE	Direct
CONFIGURATION	detent
WEIGHT	1.5 kg
MAXIMUM OPERATING PRESSURE	350 bar
ADDITIONAL OPTIONS	n/a
FILTER EFFICIENCY RATING	ISO 4406; 18/16/13
MAXIMUM KINEMATIC VISCOSITY	400 cSt
MAXIMUM AMBIENT TEMPERATURE	60 °C
MINIMUM KINEMATIC VISCOSITY	2.8 cSt
MINIMUM FLUID TEMPERATURE	-25 °C
MOUNTING POSITION	Preferably Horizontal
MINIMUM AMBIENT TEMPERATURE	-25 °C
MAXIMUM FLUID TEMPERATURE	70 °C
CONFIGURATION	Directional spool valve

PORT CONNECTION	NG06 / CETOP 03
MAXIMUM OPERATING TEMPERATURE	60 °C
MOUNTING POSITION	Unrestricted
MAXIMUM FLOW RATE	60 L/min
FOR FLUID TYPE	Hydraulic Oil According to DIN 51524
INPUT VOLTAGE	24 VDC
ELECTRICAL PART OPTION	n/a
CONFIGURATION	D to Double solenoid
PRODUCT SERIES	Directional Control Valve
COIL TYPE	DIN w/o Plug
MOUNTING TYPE	Subplate
POWER CONSUMPTION	8 W
ACTUATION TYPE	Solenoid
COIL SPECIFICATIONS MET	n/a
DIVISION	Hydraulic Valve Systems Division Europe
SEAL MATERIAL	NBR
MINIMUM OPERATING TEMPERATURE	-25 °C
CONFIGURATION	2 position