

Data Sheet

Direction Control Valve Size 03

DG4V-3-**-60

The DG4V-3-**-60 is a spool type direction control, single stage, solenoid operated, 4-way hydraulic valve. The mounting interface is ISO-4401-03 (CETOP-3). The product provides installation flexibility resulting from choice of numerous combinations of solenoid connectors and locations. The product comes with Viton seals as standard for multi fluid capability. Nitrile seals are available as a model code option. The solenoid coils of the valve can be changed quickly and easily without leakage from hydraulic system.

Features

- Part of the DG4V** Direction control valve family.
- Installed cost and space savings from higher power/weight-and-size ratios.
- Proven fatigue and endurance tested over 10 million cycles.

Applications

- Industrial
- Mobile

Comprehensive technical literature is online at www.danfoss.com



Technical data

Parameter	Value
Maximum operating pressure, P, A, B	350 bar [5076 psi]
Maximum operating pressure, T	Refer model code and product catalogue.
Max oil flow	Refer model code and product catalogue.

Note

The valve has painted body, after hardening treatments. The O-rings are Viton/Nitrile. This offer limited protection to extreme environmental conditions, e.g. high humidity, temperature and pollution.

Silting may occur when left in the actuated position for a long period of time. It is highly recommended that the valves are periodically cycled to limit these effects.

This product must be used in accordance with the installation instructions and operating conditions.

This data sheet contains supplementary data related to performance that is not available in the product catalogue. It has been produced specifically to support the requirements of the harmonized standard EN ISO 13849 reference basic and proven safety principles.

“Safety devices” or other safety functions mentioned in any product literature are not necessarily “safety components” as defined by the Machinery Directive 2006/42/EC, unless otherwise stated together with the CE mark and specific reference to said directive.

Determination of MTTFd

Evaluation of Mean Time to Dangerous Failure (MTTFd) for DG4V-3-**-60 valve assembly is based on part count method and for each component, not exceeding maximum operating conditions, based on “Good Engineering Practice Method” using annexure for assessments as per ISO 13849-2:2012.

Reliability data

Model code	MTTFd acc. ISO 13849:2015
DG4V-3-**-60 DG4V-3S-**-60 DG4V-3R-**-60 DG4V-3M-**-60/65/66 DG4V-3-**-60-P**-A**-B**-T** DG4V-3-**-60-EN*** DG4V-3-**-60-EN***-P**-A**-B**-T** DG4V-3-**-61	150 years

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