ENGINEERING TOMORROW

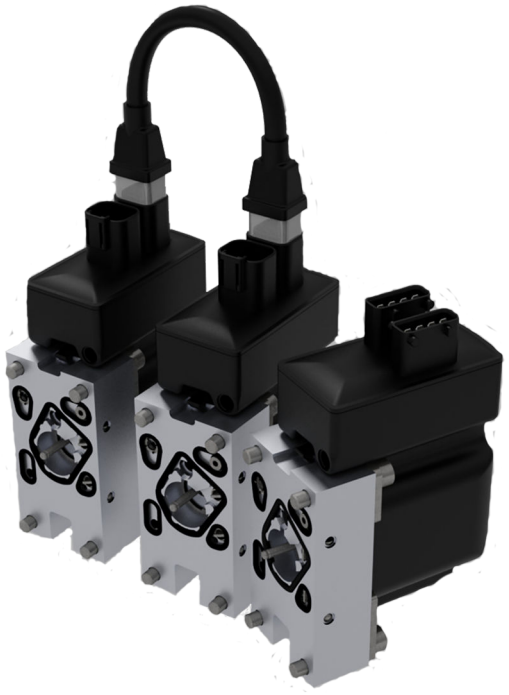
Data Sheet

Electrohydraulic Actuators
PVED series 5

A new generation of digitally controlled actuators is now available for PVG 32 and 100. The PVED-CC Series 5 is based on the hydraulic concept known from previous series of digital actuators.

The PVED-CC Series 5 adds high level feedback, built-in intelligence and effective cabling for ease of control.

PVED-CC Series 5 creates additional value to the state of the art Danfoss proportional closed loop spool position control. Supported by the harmonized CAN interface, the module can be integrated easily into the overall machine control system.



Features

- CAN bus technology for bi-directional communication
- Standardized communication through J1939/ISO bus and CAN open
- CAN bus wiring/loop cable
- Integrated diagnostics for easy trouble shooting/application surveillance
- Closed loop spool position control
- Proportional spool position signal
- Integrated LED
- Multi-voltage functionality 11-32V
- PLUS+1® Compliant
- Built-in intelligence

Closed loop control basis

The Danfoss control concept monitors the actual spool position continuously. This concept allows the actuator to compensate any changes by correcting deviations from the setpoint immediately. The deviations occur due to both internal flow forces and external disturbances. The module also makes relevant additional information available for the machine system.

CAN communication means efficient cabling

The PVED-CC Series 5 controls valves with well-known Danfoss precision and less cabling. One communication cable can facilitate all the CAN components on the vehicle to ensure high quality control and feedback. The PVED-CC Series 5 contains the same analog position control circuit as the analog PVE series plus digital circuitry to enable flow control using CAN.

Digital control means insight

The digital control of the PVED-CC Series 5 continuously monitors valve behavior and actuator reliability. The PVED-CC Series 5 closed loop control of the valve is enhanced with flow reporting to the system. The high level of internal evaluations ensures safe control of the valve.

Ordering information and part numbers

Description	ISObus		CANopen	
	DEUTSCH	AMP	DEUTSCH	AMP
PVED-CC Series 5	11107869	11107870	11172734	11169142
Cable 4000 mm	11007498	157B4994	11007498	157B4994
Loop cable	11007531	157B4987	11007531	157B4987
120 Ω terminator	11007561	157B4988	11007561	157B4988

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