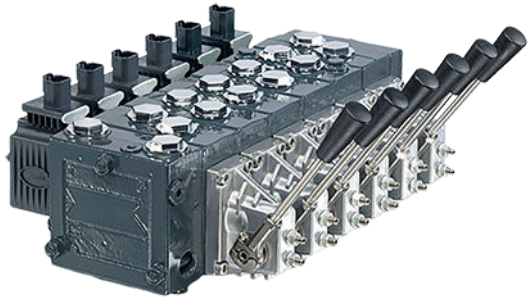
ENGINEERING TOMORROW

Data Sheet

JS1-H and PVG
Sub-Systems

Danfoss Power Solutions (DPS) has more than 40 years of experience in market-leading solutions for many applications. Our product portfolio contains a large variety of products that enables the possibility to create unique sub-systems comprising of multiple DPS products.

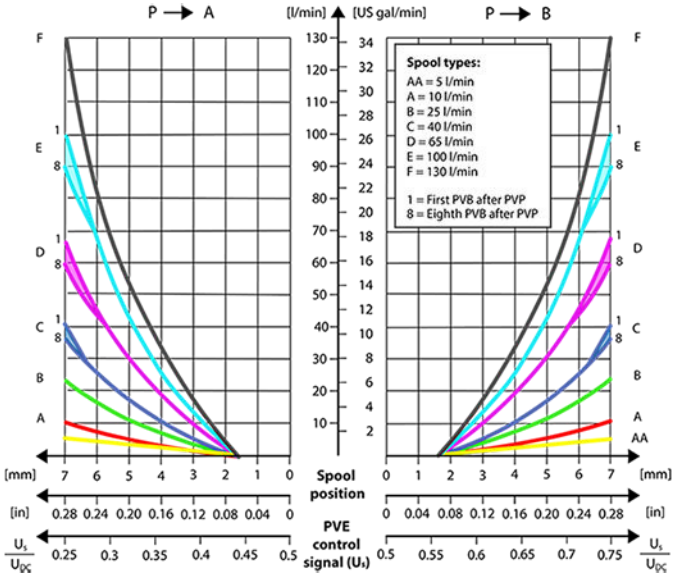
It is possible to create a sub-system by combining a JS1-H joystick and a proportional valve group (PVG). Despite its ease of installation and simplicity of setup, this sub-system provides excellent controllability in various applications and a superb human to machine experience.



Features

- Operator Presence switch
- Multiple output options
- Simultaneous operation of two proportional rollers
- Hall effect with two sensors per axis or long-life potentiometer position sensing
- Modular PVG concept
- For all PVG types 16-32-100-128-256
- Flow 5-500 l/min [1.3-132 US gal/min]
- Works with both compensated and uncompensated basic modules

Flow characteristics

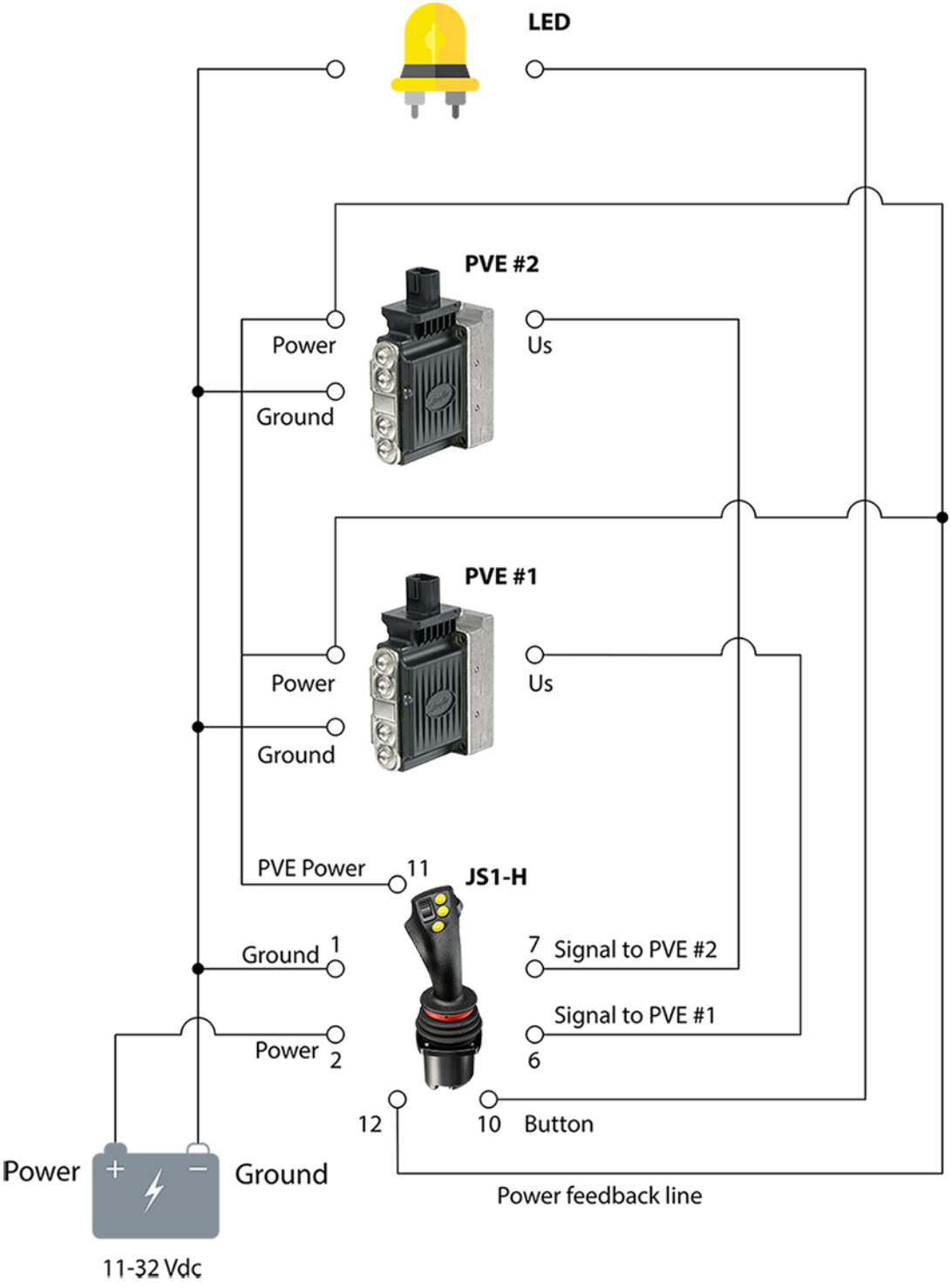


Comprehensive technical literature is online at *www.danfoss.com*

Relevant literature

- *JS1-H Technical Information*, BC171886484518
- *PVG 32 Technical Information*, BC152886483664

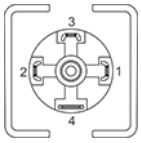
JS1-H and PVG sub-system diagram



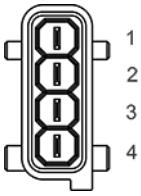
Power feedback line is needed to ensure same reference point JS1-H vs PVE. There could be a difference in voltage due to voltage drop in the line from the power supply.

DEUTSCH

DIN/Hirschmann



AMP



JS1-H DEUTSCH DTM 04

Connector	Pin 1	Pin 2	Pin 3	Pin 4
DEUTSCH	Us	Error	Ground	Power
AMP	Us	Power	Ground	Error
DIN/Hirschmann	Power	Us	Error	Ground

JS1-H pin description (DEUTSCH DTM 04 Connector)

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8	Pin 9	Pin 10	Pin 11	Pin 12
Ground	Power	CAN High	CAN Low	CAN Shield	Proportional Y	Proportional X	Proportional 3	Push 7	Push 8	PVE Power	PVE power feedback

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