

Data Sheet

JS1-H & PVG Sub-systems

Danfoss Power solutions (DPS) has more than 40 years of experience in market leading solutions for your application.

Our product portfolio contains a big variety of different product types which gives the opportunity to create sub-systems by combining two different DPS products.

The JS1-H joystick and our proportional valve group PVG could be one of these sub-systems. With its setup simplicity when it's best, it gives perfect controllability of the application and a very positive person to machine interaction.

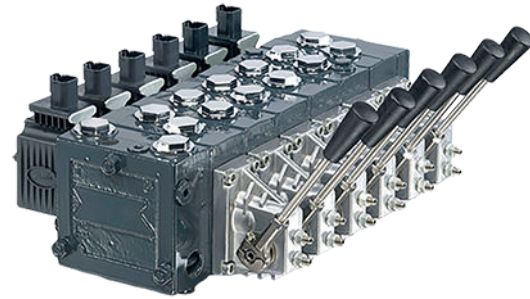
Features

- 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

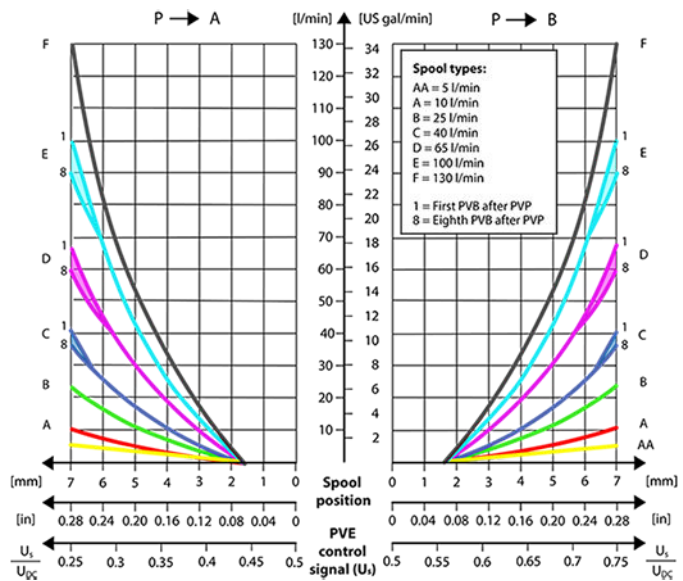
Comprehensive technical literature is online at www.danfoss.com

Search for literature numbers:

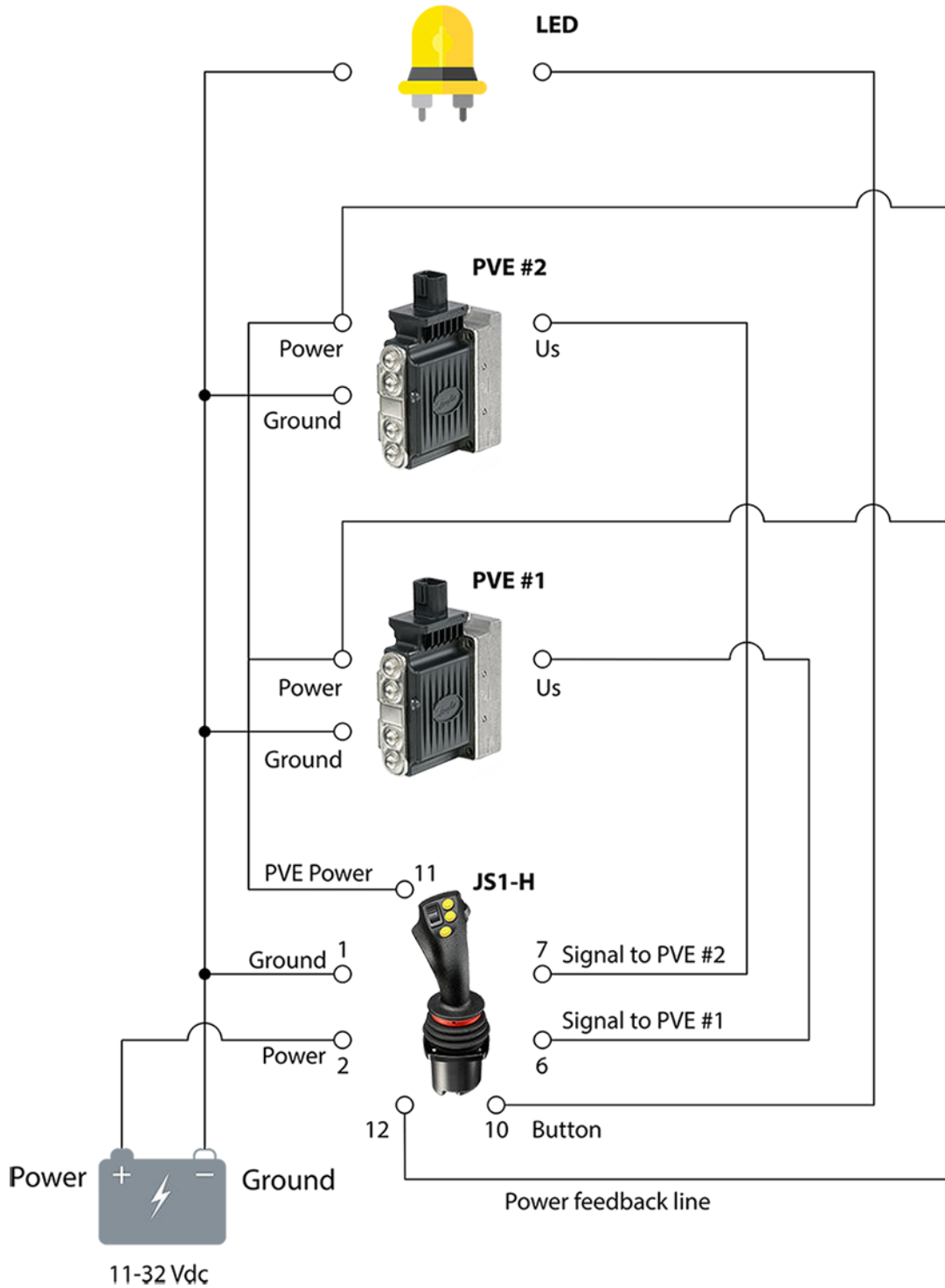
- JS1-H Technical Information - BC00000347
- PVG 32 Technical Information - BC00000038



Flow characteristics



JS1-H and PVG sub-system diagram

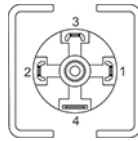


Power feedback line is needed to ensure same reference point JS1-H vs PVE. There could be a difference in voltage due to voltage drop in the line from the power supply.

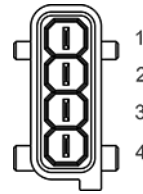
DEUTSCH



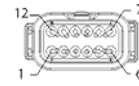
DIN/Hirschmann



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