

157B4036

PVEH-DI active fault monitoring, proportional actuation, 11-32 Vdc with build in indication for spool movement direction

AMP Connector

Technical data for PVEA, PVEH and PVES

Supply voltage U_{DC}		rated	11 V to 32 V	
		range	11 V to 32 V	
		max. ripple	5%	
Current consumption at rated voltage		PVEH/PVES (PVEA)	0.57 (33) A @ 12 V	0.3 (17) A @ 24 V
Signal voltage		neutral	$0.5 \cdot U_{DC}$	
		A-port ↔ B-port	$0.25 \cdot U_{DC}$ to $0.75 \cdot U_{DC}$	
Signal current at rated voltage		0.25 mA to 0.70 mA		
Input impedance in relation to $0.5 \cdot U_{DC}$		12 K Ω		
Input capacitor		100 nF		
Power consumption		PVEH/PVES (PVEA)	7 (3.5) W	
(PVEH/PVES)		Max. load	100 mA	60 mA
	Active	Reaction time at fault	500 ms (PVEA: 750 ms)	
	Passive	Reaction time at fault	250 ms (PVEA: 750 ms)	

Electrical actuation

Fault monitoring overview

Type	Fault monitoring	Delay before error out	Error mode	Error output status	Fault output on PVE	LED light	Memory [†]
PVEO PVEM	No fault monitoring						
PVEA PVEH PVEP PVES PVEU	Active	500 ms (PVEA: 750 ms)	No fault	Low	< 2 V	Green	–
			Input signal faults	High	$\sim U_{DC}$	Flashing red	Yes
			Transducer (LVDT)			Constant red	
	Close loop fault						
	Passive	250 ms (PVEA: 750 ms)	No fault	Low	< 2 V	Green	–
			Input signal faults	High	$\sim U_{DC}$	Flashing red	No
Transducer (LVDT)			Constant red				
Close loop fault							
PVE Float six pin	Active	500 ms	Float not active	High	$\sim U_{DC}$	Constant red	Yes
		750 ms	Float still active				

Measured between fault output pin and ground.

[†] Reset needed

AMP version: PVEA-DI/PVEH-DI

