## 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 <sub>DC</sub>		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 x U <sub>DC</sub>			
		A-port ↔ B-port	0.25 • U <sub>DC</sub> to 0.75 • U <sub>DC</sub>			
Signal current at rated voltage			0.25 mA to 0.70 mA			
Input impedance in relation to 0.5 • U <sub>DC</sub>			12 ΚΩ			
Input capacitor			100 ηF			
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)			

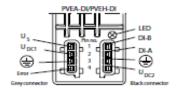
#### **Electrical actuation**

#### Fault monitoring overview

Туре	Fault monitoring	Delay before error out	Error mode	Error output status	Fault output on PVE	LED light	Memory <sup>†</sup>			
PVEO PVEM	No fault monitoring									
PVEA PVEH PVEP PVES PVEU	Active	500 ms	No fault	Low	< 2 V	Green	-			
		(PVEA: 750 ms)	Input signal faults	High	~U <sub>DC</sub>	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	~U <sub>DC</sub>	Flashing red	No			
			Transducer (LVDT)			Constant red				
			Close loop fault							
PVE Float six pin	Active	500 ms	Float not active	High	~U <sub>DC</sub>	Constant red	Yes			
		750 ms	Float still active							

Measured between fault output pin and ground.

AMP version: PVEA-DI/PVEH-DI



<sup>†</sup> Reset needed