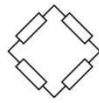


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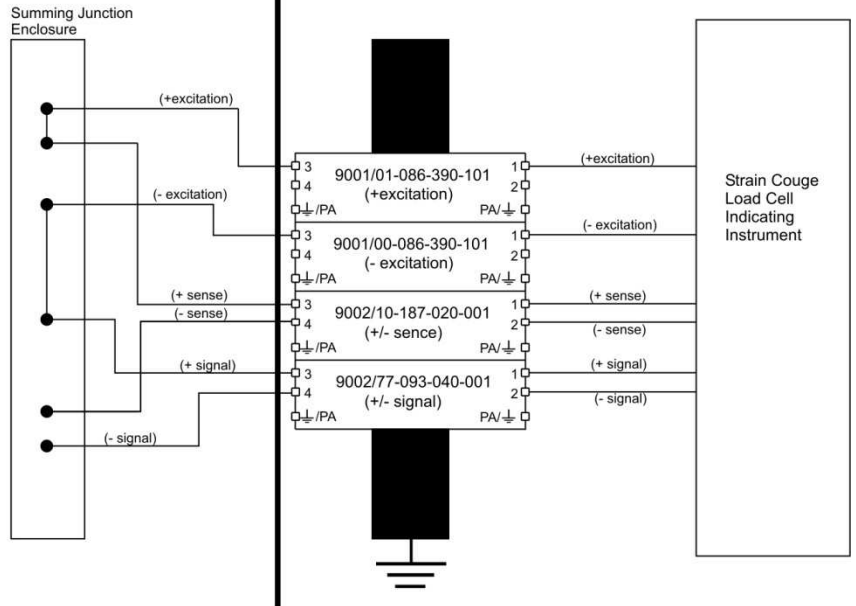
F 4830 503

**Safety Barrier Combination**  
**Max. Voltage ( $V_{oc}$ ) ( $V_t$ ) = 17.35 V**  
**Max. Current ( $I_{sc}$ ) ( $I_t$ ) = 458 mA**  
 **$C_a = 0.37 \mu F$**   
 **$L_a = 0.098 mH$**



**Hazardous Location**  
 Class I, II, III, Div.1, Groups A-G

**Nonhazardous Location**  
 or Div.2



**Operational Data**

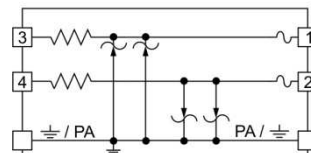
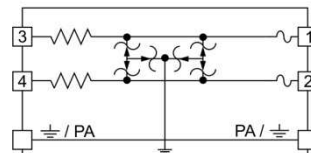
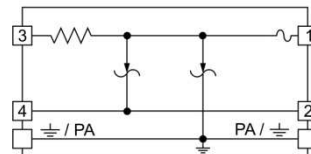
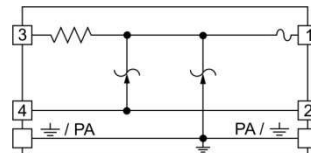
9001/01-086-390-101 (+excitation)  
 Rated Voltage + 6 V DC  
 Max. Voltage + 7.3 V DC  
 Internal Resistance 30  $\Omega$   
 Replaceable Fuse Current 160 mA

9001/00-086-390-101 (-excitation)  
 Rated Voltage - 6 V DC  
 Max. Voltage - 7.3 V DC  
 Internal Resistance 482  $\Omega$   
 Replaceable Fuse Current 160 mA

9002/77-093-040-001 (+/- signal)  
 Rated Voltage  $\pm 6$  V per channel  
 Max. Voltage  $\pm 7.7$  V per channel  
 Internal Resistance 482  $\Omega$  per channel  
 Replaceable Fuse Current 160 mA

9002/10-187-020-001 (+/- sense)  
 Rated Voltage Channel I + 6 V  
 Rated Voltage Channel II - 6 V  
 Max. Voltage  $\pm 8$  V per channel  
 Internal Resistance 482  $\Omega$  per channel  
 Replaceable Fuse Current 160 mA

**Intrinsic Safety Barrier Circuit Schematics**



**This 4 Intrinsic Safety Barrier configuration provides intrinsically safe connections for Class I, II, III, Div.1, Groups A-G. Installation to be in accordance with ANSI/NFPA 70 NEC, Article 504 and ANSI/ISA- RP12.6 and the Manufacturer's Control Drawings 90 016 11 31 3, 90 026 11 31 3.**

			1995	Date	Name	Certification drawing UL Listed Intrinsic Safety Barrier Configuration for $\pm 5$ V DC Load Cell Excitation  <b>9000-2UL</b>	Scale
			Drawn by	Oct.	Tobey		none
			Checked		Kaiser		Sheet 1 of 1
						Agency	UL
01	13.08.09	Reistle				Rep. f.	Rep. t.
	Index	Date	Name				