



Standard Features

- Each system features excitation, sense and signal barriers
- Available in an enclosure for external mounting or in a chassis mount version
- R Stahl® and Pepper&Fuchs barriers that are approved by Factory Mutual (FM)



Specifications

Part #	Voltage Range	Nominal Resistance	Open Circuit Voltage	Short Circuit Current	Classifications
31201: + Excitation 9001/01-158-390-101	+12 VDC	55 ohm	15.8 VDC	390 mA	FM approved, UL listed, CSA certified, SA, CE marked
31202: ± Excitation 9002/10-187-270-001	±6 VDC	46 ohm	9.3 VDC	270 mA	FM approved, UL listed, CSA certified, SA, CE marked
31540: + Excitation 9001/01-083-442-101	+6 VDC	26 ohm	8.3 VDC	442 mA	FM approved, UL listed, CSA certified, SA, CE marked
70724: + Sense 9001/01-086-075-101	+6 VDC	129 ohm	8.6 VDC	41 mA	FM approved, UL listed, CSA certified, SA, CE marked
30263: ± Signal 9002/77-093-040-001	±6 VDC	519 ohm	9.3 VDC	20 mA	FM approved, UL listed, CSA certified, SA, CE marked
31542: RS-232 9002/77-093-300-001	±6 VDC	76.6 ohm	9.3 VDC	150 mA	FM approved, UL listed, CSA certified, SA, CE marked
30264: ± Sense 9002/10-187-020-001	±6 VDC	516.5 ohm	9.33 VDC	20 mA	FM approved, UL listed, CSA certified, SA, CE marked
30266: - Excitation 9001/00-086-390-101	-6 VDC	30 ohm	8.6 VDC	390 mA	FM approved, UL listed, CSA certified, SA, CE marked
69491: - Excitation 9001/02-016-150-111	±0.7 VDC	20 ohm	1.64 VDC	150 mA	FM approved, UL listed, CSA certified, SA, CE marked
69492: + Sense 9001/01-168-020-101	+12 VDC	918 ohm	16.8 VDC	20 mA	FM approved, UL listed, CSA certified, SA, CE marked
69493: - Sense 9001/02-016-015-101	±0.7 VDC	127 ohm	1.64 VDC	15 mA	FM approved, UL listed, CSA certified, SA, CE marked
72521: + Excitation 9001/01-199-390-101	+16 VDC	67 ohm	19.9 VDC	390 mA	FM approved, CSA certified, CE marked
30265: + Excitation 9001/01-086-390-101	+6 VDC	30 ohm	8.6 VDC	390 mA	FM approved, CSA certified, CE marked
221779: + Excitation Barrier, Z713	+13.7 VDC	22 ohm	15.75 VDC	160 mA	FM Approved, cULus, ATEX, IECEX
221663: - Excitation Barrier, Z813	-13.7 VDC	22 ohm	15.75 VDC	160 mA	FM Approved, cULus, ATEX, IECEX
221662: ± EX Barrier, Z966	±10 VDC	166 ohm	12 VDC	50 mA	FM Approved, cULus, ATEX, IECEX
221660: ± Signal Barrier, Z961	±6.5 VDC	100 ohm	8.7 VDC	100 mA	FM Approved, cULus, ATEX, IECEX
221661: ± Sense Barrier, Z964	±10 VDC	1000 ohm	12 VDC	50 mA	FM Approved, cULus, ATEX, IECEX

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Intrinsic Safety Barriers

Part Number/Price

Part #	Description	Est. Weight	Price
Stahl Barriers #1: (For models with +5 and -5 Volt excitation (10 volt))			
31202	9002/10-187-270-001, ± excitation barrier	1 lb	Consult
30264	9002/10-187-020-001, ± sense barrier	1 lb	Consult
30263	9002/77-093-040-001, ± signal barrier	1 lb	Consult
109663	DIN rail mounted kit #1 (includes 31202, 30264, 30263)	2 lb	Consult
Barrier Kit #2: (For models with + 10 Volt excitation)			
31201	9001/01-158-390-101, + excitation barrier	1 lb	Consult
69491	9001/02-016-150-111, - excitation barrier	1 lb	Consult
69492	9001/01-168-020-101, + sense barrier	1 lb	Consult
69493	9001/002-016-015-101, - sense barrier	1 lb	Consult
30263	9002/77-093-040-001, ± signal barrier	1 lb	Consult
Barrier Kit #3: (For models with + 5 Volt excitation)			
31540	9001/01-083-442-101, + excitation barrier	1 lb	Consult
69491	9001/02-016-150-111, - excitation barrier	1 lb	Consult
30263	9002/77-093-040-001, ± signal barrier	1 lb	Consult
If sense leads are required for above, use the following:			
199867	900/01-086-075-101, + sense barrier	1 lb	Consult
69493	9001/02-016-015-10, - sense barrier	1 lb	Consult
Miscellaneous Barriers:			
30266	9001/00-086-390-101, - excitation barrier	1 lb	Consult
30265	9001/01-086-390-101, + excitation barrier	1 lb	Consult
72521	9001/01-199-390-101, + excitation barrier	1 lb	Consult
197643	Barrier, dual channel, RS-422	1 lb	Consult
31542	9002/77-093-300-001, RS-232	1 lb	Consult

Peprl-Fuchs Barrier Kit #1 for multiple load cell applications:			
221779	Barrier, Z713 +Excitation	1 lb	Consult
221663	Barrier, Z813 -Excitation	1 lb	Consult
221661	Barrier, Z964 +/- Sense	1 lb	Consult
221660	Barrier, Z961 +/- Signal	2 lb	Consult
Peprl-Fuchs Barrier Kit #2 for single load cell applications:			
221662	Barrier, Z966 +/- EX	1 lb	Consult
221661	Barrier, Z964 +/- Sense	1 lb	Consult
221660	Barrier, Z961 +/- Signal	2 lb	Consult

Options/Accessories

Part #	Description	Price
33531	DIN rail, 6 in length	Consult
35815	IS barrier installation manual	Consult
110424	FRP enclosure, up to 4 barriers (not included)	Consult
22828	Ground terminal block	Consult
42219	Fuse, IS Barrier 160mA for Stahl barriers	Consult
208123	Isolator, barrier mount	Consult

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