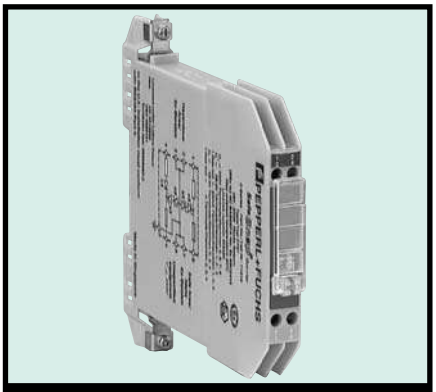
SafeSnap®

Zener Barrier



Model Numbers
DC Models, Single Channel

- Z705 (Z805)
- Z710 (Z810)
- Z713 (Z813)
- Z715 (Z815)
- Z715.1K (Z815.1K)
- Z722 (Z822)
- Z728 (Z828)
- Z728.H (Z828.H)

- Narrow 12.5 mm profile
- Snaps-on for easy mounting and grounding
- Dedicated terminal for each connection

SafeSnap single-channel zener barriers feature a narrow profile of just 12.5 mm to maximize control panel space. Available in positive or negative polarity, these barriers simply snap on for easy installation and maintenance.

Note: All diodes are orientated in the opposite direction for the negative polarity versions.

Model Specifications

Model No. / Polarity	Working voltage at 10 µA leakage	Max. end to end resistance	Fuse rating max. current	Max. voltage
Pos / Neg	(V)	(Ω)	(mA)	(V)
Z705/Z805	0.9 (1µA)	18.18	250	4,8
Z710/Z810	6.5	55	100	8.9
Z713/Z813	13.9	29.0	160	14.6
Z715/Z815	13.0	106	100	13.6
Z715.1K/Z815.1K	13.0	1024	100	13.6
Z722/Z822	19.0	166	50	20.1
Z728/Z728	27.0	327	50	28.0
Z728.H/Z828.H	27.0	250	80	28.0

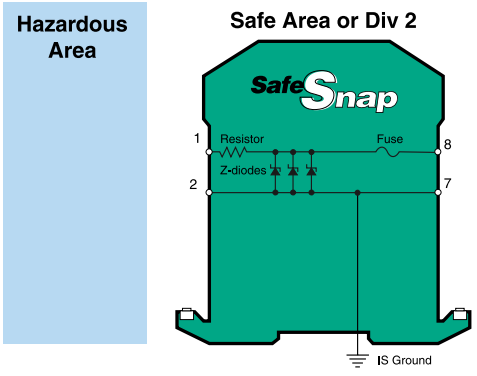
FM Entity Parameters

				A & B	
Model No.	**Terminals**	**Voc (V)**	**Isc mA**	**Ca (µF)**	**La mH)**
Z705 (Z805)	1-2	4.97	507	1000	0.10
Z710 (Z810)	1-2	9.77	200	3.51	0.48
Z713 (Z813)	1-2	15.75	724	0.67	0.07
Z715 (Z815)	1-2	15.2	155	0.76	1.09
Z715.1k (Z815.1k)	1-2	15.2	15.5	0.76	137
Z722 (Z822)	1-2	22.7	155	0.24	1.10
Z728 (Z828)	1-2	28.0	93	0.13	3.91
Z728.H (Z828.H)	1-2	28.0	119.2	-	-

Mechanical	
Operating Temperature	-4°F to 131°F
Max. Wire Size	(2) #14AWG
Housing Material	MAKROLON #6485
Housing	Type K (see page 302)

Connection Diagram

Class I, Div 1, Group A-G, Zone 0, IIC



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