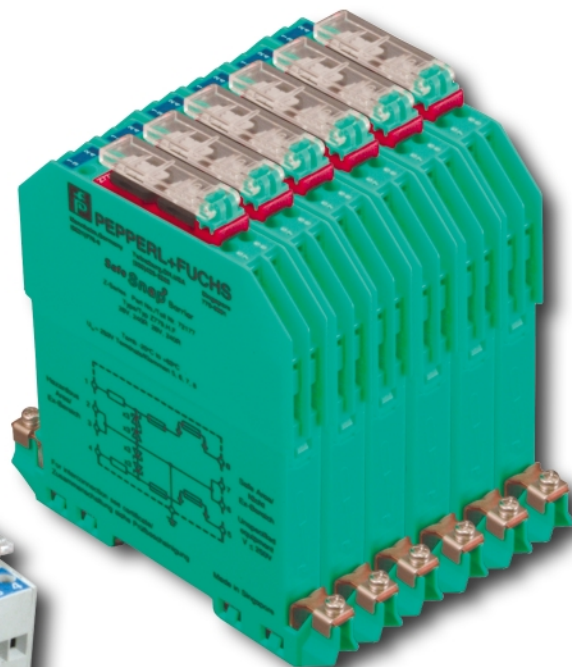




PROCESS AUTOMATION

Zener Diode Barriers

Safe Snap & μ Z



Features

- Reduces installation cost and space
- Heavy-duty DIN rail mounting/grounding strap
- Removable fuse/switch disconnect feature
- Single, dual and triple channel versions
 - Individual tagging
- Worldwide certifications



PEPPERL+FUCHS

Zener Diode Barriers – Reliable Protection for Hazardous Area Circuits

SafeSnap Zener Diode Barriers

MODEL NUMBER	POLARITY	SAFETY DESCRIPTION		
		V	Ω	mA
Z954	ac	4.5 4.5	12 12	383 383
Z705/Z805/Z905	+/-/ac	5	10	504
Z755/Z855/Z955	+/-/ac	5 5	10 10	504 504
Z757/Z857	+/-	7.2 7.2	10 10	729 729
Z961(.F)	ac	9 9	100 100	90 90
Z961.H	ac	9 9	360 360	25 25
Z710/Z810/Z910	+/-/ac	10	50	200
Z960(.F)	ac	10 10	50 50	203 203
Z966.H	ac	12 12	75 75	164 164
Z966(.F)	ac	12 12	150 150	82 82
Z764/Z864/Z964	+/-/ac	12 12	1000 1000	12 12
Z715(.F)/Z715(.F)/Z915	+/-/ac	15	100	150
Z715.1k/Z815.1k/Z915.1k	+/-/ac	15	1000	15
Z765(.F)/Z865(.F)/Z965	+/-/ac	15 15	100 100	150 150
Z713/Z813	+/-	15.75	22	723
Z967	ac	17 17	120 120	143 143
Z722/Z822	+/-	22	150	150
Z772/Z872	+/-	22 22	150 150	150 150
Z972	ac	22 22	300 300	73 73
Z796/Z896	+/-	26.6 20.5	320 415	85 50
Z726	+	28	180	155
Z728.H(.F)/Z828.H(.F)	+/-	28	240	119
Z779.H(.F)/Z879.H(.F)	+/-	28 28	240 240	119 119
Z787.H(.F)/Z887.H(.F)	+/-	28 28	240 Diode	119 0
Z788.H/Z888.H	+/-	28 10	240 50	119 200
Z788.R.H/Z888.R.H	+/-	28 10	240 50	119 200
Z728(.F)/Z828(.F)/Z928	+/-/ac	28	300	93
Z779(.F)/Z879(.F)	+/-	28 28	300 300	93 93
Z787(.F)/Z887(.F)	+/-	28 28	300 Diode	93 0
Z788.R/Z888.R	+/-	28 10	300 50	93 200
Z778/Z878/Z978	+/-/ac	28 28	600 600	47 47
Z786/Z886	+/-	28 28	Diode Diode	0 0
Z799 (Empty)	-	-	-	-

The ".F" nomenclature indicates our Safe Snap Plus line with removable fuse option.

Shunt diode safety barriers have long been a popular solution for providing intrinsic safety protection for circuits residing in hazardous locations. Pepperl+Fuchs offers two distinct zener diode barrier product lines – **SafeSnap** and **μZ**. The SafeSnap product has a long history of proven results in a wide range of applications. With over 85 unique versions, SafeSnap can solve your intrinsic safety application. Our latest zener diode barrier product development is μZ. μZ combines outstanding features and performance in a compact housing. Its thin width and low profile make it perfect for those hard-to-reach areas of a cabinet or enclosure. Both product lines are available with a removable fuse link making loop-disconnect a simple process and commissioning problems a thing of the past. Plus, these barriers are easily attached to an intrinsic safety ground by their grounded mounting clamp. Simply snap them on a grounded DIN rail and the barriers are automatically connected to ground. Worldwide support is what you expect and Pepperl+Fuchs is capable of delivering this need through our 80+ subsidiaries. SafeSnap and μZ – zener diode barriers you can count on.

μZ Zener Diode Barriers

MODEL NUMBER	POLARITY	SAFETY DESCRIPTION		
		V	Ω	mA
μZ670	ac	4.3 4.3	10.8 10.8	399 399
μ660	ac	9 9	74 74	122 122
μZ691	ac	13	74	176
μZ690	ac	13 13	74 74	176 176
μZ664	ac	13 13	1000 1000	13 13
μZ610	ac	13 13	1485 1485	9 9
μZ641	+	15	100	150
μZ640	ac	15.5 15.5	99 99	157 157
μZ667	ac	18 18	123 123	147 147
μZ650	+	21 21	148 148	142 142
μZ623	-	26 19.5	305 386	86 51
μZ631	+	28 28	255 Diode	110 0
μZ681	+/-	28	305	92
μZ680	+/-	28 28	305 305	92 92
μZ630	+/-	28 28	305 Diode	92 0
μZ620(.R)	+	28 10	305 50	92 200

Specifications:

Operating Temperature
-20°C to 60°C (SafeSnap)
-20°C to 55°C (μZ)

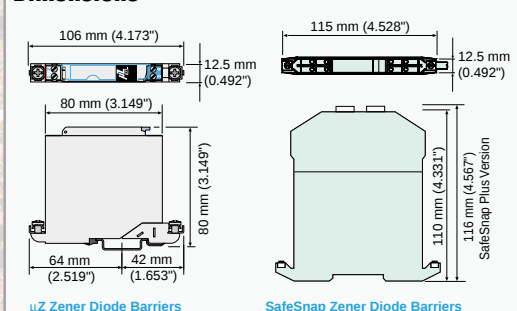
Humidity
5 to 95% RH (Safe Snap)
10 to 90% RH (μZ)

Weight
150g (Safe Snap)
130g (μZ)

Certifications:

Country/Region	Agency	Certificate
SAFE SNAP BARRIERS		
Australia	SA	Ex2074X
Canada	CSA	LR65756
China	NEPSI	GYJ95105
Europe/UK	BASEEFA	01ATEX7005
Europe/Germany	TUV	99ATEX1484X
Korea	KROS	SGP04286
United States	FM	2Y2A0.AX
United States	UL	E106378
μZ BARRIERS		
Australia	SA	Ex2391X
Canada	CSA	LR66529
China	NEPSI	GYJ99-128 to 140
Europe/Italy	CESI	Ex97.D.026 (Atex Pending)
United States	FM	4D0A4.AX

Dimensions



PEPPERL+FUCHS

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"Terms & Conditions of Sale" information is printed on every order acknowledgement; copies are available upon request.

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