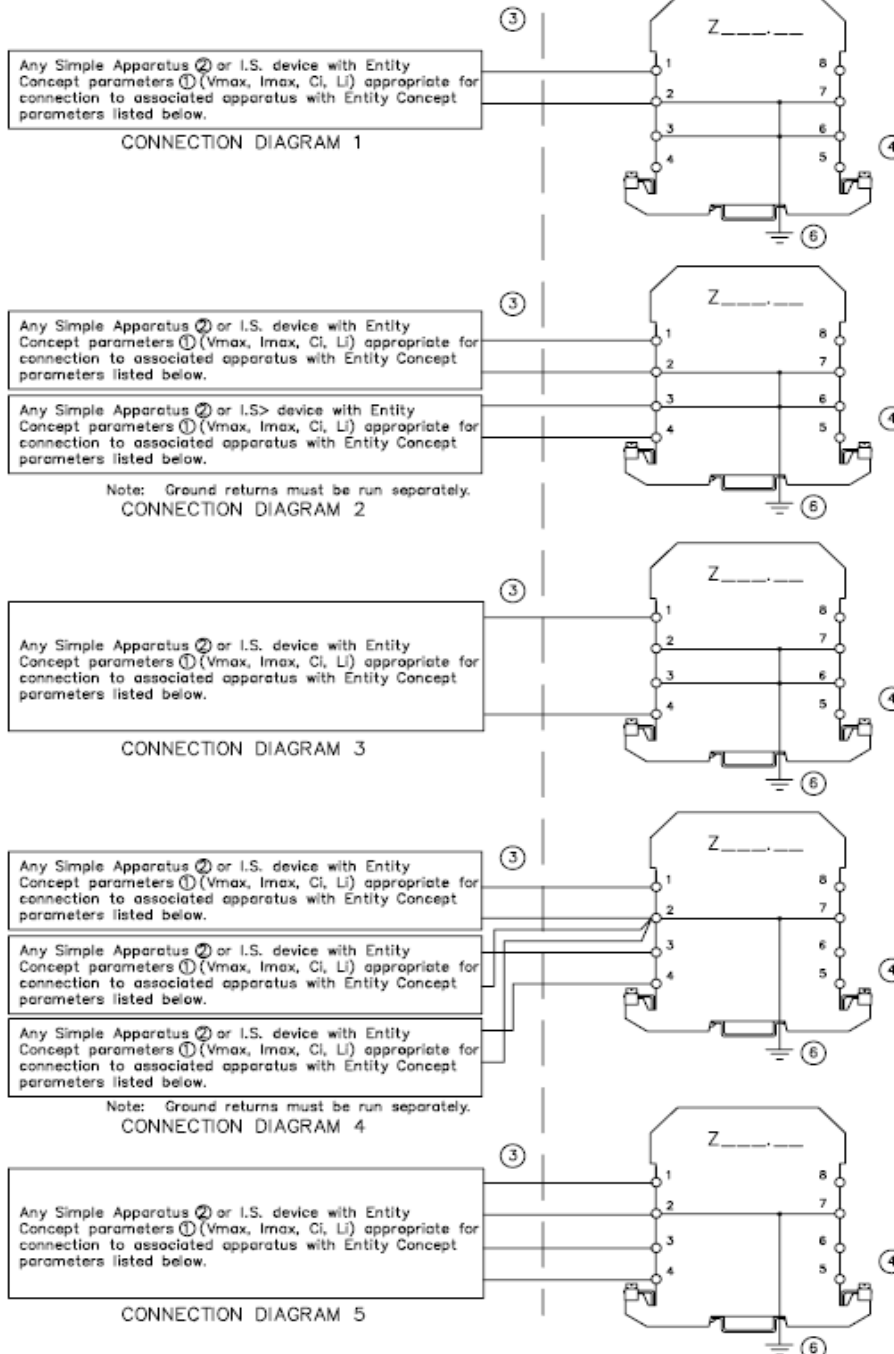


HAZARDOUS AREA

CLASS I, DIVISION 1 } Applicable Groups
CLASS II, DIVISION 1 } per Table Below
CLASS III, DIVISION 1 }

NON-HAZARDOUS AREA ⑤

OR
CLASS I, DIVISION 2, GROUPS ABCD ⑤



See installation notes, last sheet of drawing.

Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!

This document contains safety-relevant information. It must not be altered without the authorization of the norm expert!

CONFIDENTIAL according ISO 16016

Only valid as long as released in EDM or with a valid production documentation!

scale:

date:2008-Sep-12

PEPPERL+FUCHS

Control Drawing
Installation Drawing for UL listed
Z7..., Z8..., Z9..
Zener Barriers

respons.

approved

norm

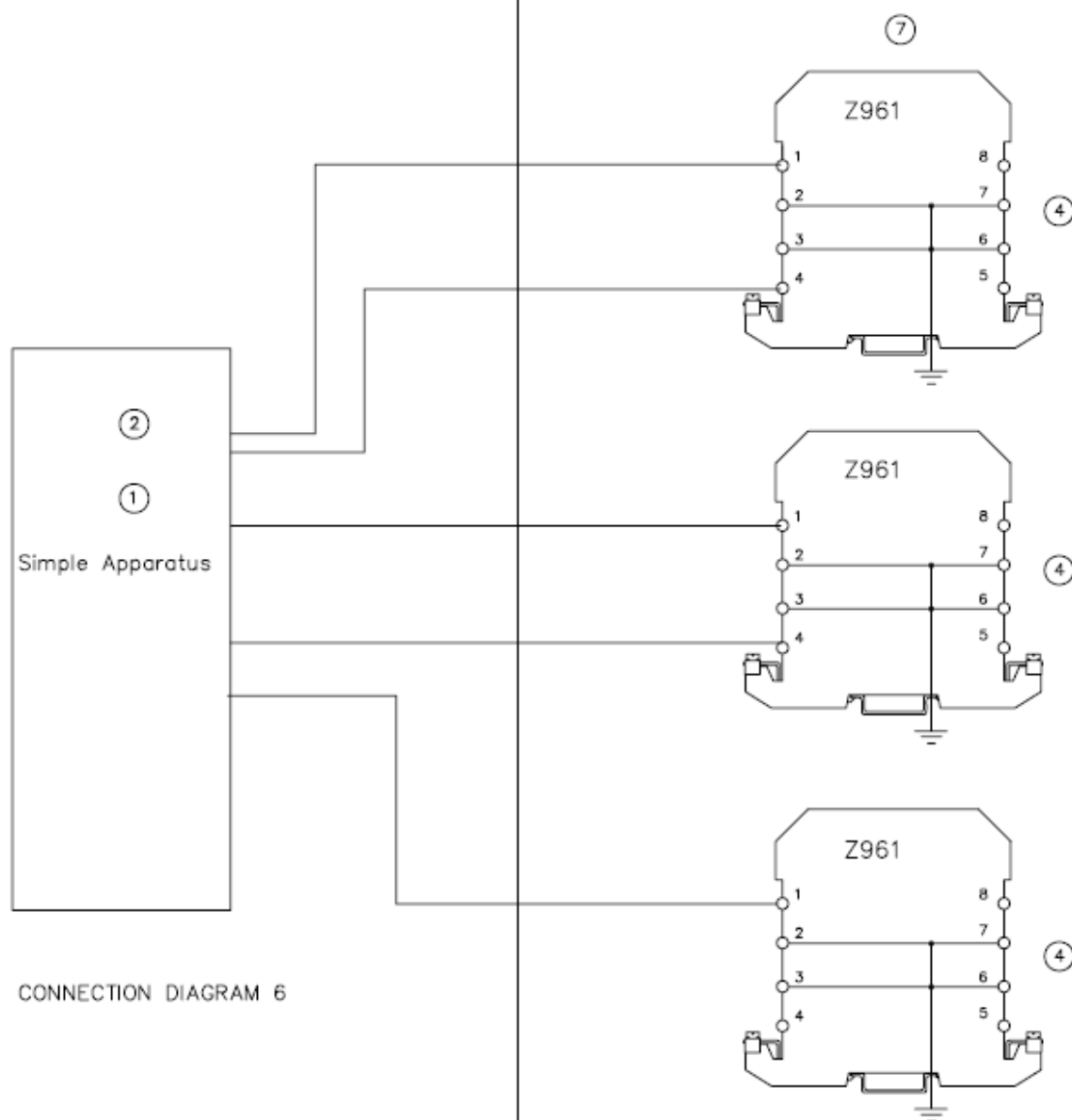
116-0139c

Twinsburg

sheet 1 of 8

CLASS I, DIVISION 1, GROUPS A,B,C,D
 CLASS II, DIVISION 1, GROUPS E,F,G
 CLASS III, DIVISION 1

NON-HAZARDOUS AREA
 OR
 CLASS I, DIVISION 2, GROUPS ABCD



CONNECTION DIAGRAM 6

TABLE 1 – ENTITY PARAMETERS

MODEL NUMBER	TERMINALS	Voc (V)	Isc (mA)	Vt(V)	It(mA)	Groups Ca (μF)			Groups La(mH)		
						A,B	C,E	D,F,G	A,B	C,E	D,F,G
Z705	1,2	4.94	504	-	-	100	300	800	0.14	0.42	1.12
Z710	1,2	9.56	195	-	-	3	9	24	0.86	2.58	6.88
Z710.CL	1,2	9.56	195	-	-	3	9	24	0.86	2.58	6.88
Z713	1,2	15.75	723	-	-	0.48	1.44	3.84	0.076	0.228	0.608
Z715	1,2	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
Z715.CL	1,2	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
Z715.1K	1,2	14.7	15	-	-	0.58	1.74	4.64	144	432	1152
Z722	1,2	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
Z722.CL	1,2	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
Z726	1,2	27.5	155	-	-	-	0.27	0.72	-	4	8
Z728	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
Z728.CL	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
Z728.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
Z731	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	2,3	7.2	1470	-	-	13.5	40.5	108	0.02	0.06	0.16
	2,4	7.2	1470	-	-	13.5	40.5	108	0.02	0.06	0.16
	1,2,3,4	-	-	28	1570	0.083	0.249	0.664	0.02	0.06	0.16
Z755	1,2	4.94	504	-	-	100	300	800	0.14	0.42	1.12
	3,4	4.94	504	-	-	100	300	800	0.14	0.42	1.12
	1,2,3,4	-	-	4.94	1008	100	300	800	0.03	0.09	0.24
Z757	1,2	7.14	729	-	-	13.5	40.5	108	0.07	0.21	0.56
	3,4	7.14	729	-	-	13.5	40.5	108	0.07	0.21	0.56
	1,2,3,4	-	-	7.14	1457	13.5	40.5	108	0.02	0.06	0.16
Z763	1,2	11.6	370	-	-	1.41	4.23	11.28	0.24	0.72	1.92
	3,4	1.6	51	-	-	100	300	800	14	42	112
	1,2,3,4	-	-	13.2	422	0.94	2.82	7.52	0.2	0.6	1.6
Z764	1,2	11.6	12	-	-	1.41	4.23	11.28	240	720	1,920
	3,4	11.6	12	-	-	1.41	4.23	11.28	240	720	1,920
	1,2,3,4	-	-	11.6	24	1.41	4.23	11.28	61	183	488
Z765	1,2	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
	3,4	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
	1,2,3,4	-	-	14.7	300	0.58	1.74	4.64	0.32	0.96	2.56
Z772	1,2	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
	3,4	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
	1,2,3,4	-	-	22	300	-	0.51	1.36	-	4.35	11.6
Z778	1,2	28	46	-	-	0.083	0.249	0.664	17.2	51.6	137.6
	3,4	28	46	-	-	0.083	0.249	0.664	17.2	51.6	137.6
	1,2,3,4	-	-	28	93	0.083	0.249	0.664	3.05	9.15	24.4
Z779	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	1,2,3,4	-	-	28	186	-	0.249	0.664	-	4	8
Z779.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	1,2,3,4	-	-	28	238	-	0.249	0.664	-	2	4

Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!

This document contains safety-relevant information. It must not be altered without the authorization of the norm expert!

CONFIDENTIAL according ISO 16016		Only valid as long as released in EDM or with a valid production documentation!		scale:	date:2008-Sep-12
 PEPPERL+FUCHS	Control Drawing Installation Drawing for UL listed Z7..., Z8..., Z9.. Zener Barriers		respons.		116-0139c
			approved		
			Twinsburg	norm	

Z786	1,2	28	0	-	-	0.083	0.249	0.664	5	15	40
	3,4	28	0	-	-	0.083	0.249	0.664	5	15	40
	1,2,3,4	-	-	28	0	0.083	0.249	0.664	5	15	40

TABLE 1 – ENTITY PARAMETERS (Continued)

MODEL NUMBER	TERMINALS	Voc (V)	Isc (mA)	Vt(V)	It(mA)	Groups Ca (μF)			Groups La(mH)		
						A,B	C,E	D,F,G	A,B	C,E	D,F,G
Z787	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	28	0	-	-	0.083	0.249	0.664	5	15	40
	1,2,3,4	-	-	28	93	0.083	0.249	0.664	3.05	9.15	24.4
Z787.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	28	0	-	-	0.083	0.249	0.664	5	15	40
	1,2,3,4	-	-	28	119	0.083	0.249	0.664	1.82	5.46	14.56
Z788	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	288	0.083	0.249	0.664	0.32	0.96	2.56
Z788.R	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	288	0.083	0.249	0.664	0.32	0.96	2.56
Z788.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	314	0.083	0.249	0.664	0.26	0.78	2.08
Z788.R.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	314	0.083	0.249	0.664	0.26	0.78	2.08
Z796	1,2	26.6	85	-	-	0.094	0.282	0.752	5.14	15.42	41.12
	3,4	20.5	50	-	-	0.203	0.609	1.624	14.6	43.8	116.8
	1,2,3,4	-	-	26.6	135	0.094	0.282	0.752	2.05	6.15	16.4
Z796.L	1,2	26.0	83	-	-	0.094	0.282	0.752	5.14	15.42	41.12
	3,4	20.0	49	-	-	0.203	0.609	1.624	14.6	43.8	116.8
	1,2,3,4	-	-	26.0	132	0.094	0.282	0.752	2.05	6.15	16.4
Z805	1,2	4.94	504	-	-	100	300	800	0.14	0.42	1.12
Z810	1,2	9.56	195	-	-	3	9	24	0.86	2.58	6.88
Z810.CL	1,2	9.56	195	-	-	3	9	24	0.86	2.58	6.88
Z813	1,2	15.75	723	-	-	0.48	1.44	3.84	0.076	0.228	0.608
Z815	1,2	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
Z815.CL	1,2	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
Z815.1K	1,2	14.7	15	-	-	0.58	1.74	4.64	144	432	1152
Z822	1,2	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
Z822.CL	1,2	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
Z828	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
Z828.CL	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
Z828.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
Z855	1,2	4.94	504	-	-	100	300	800	0.14	0.42	1.12
	3,4	4.94	504	-	-	100	300	800	0.14	0.42	1.12
	1,2,3,4	-	-	4.94	1008	100	300	800	0.03	0.09	0.24
Z857	1,2	7.14	729	-	-	13.5	40.5	108	0.07	0.21	0.56
	3,4	7.14	729	-	-	13.5	40.5	108	0.07	0.21	0.56
	1,2,3,4	-	-	7.14	1457	13.5	40.5	108	0.02	0.06	0.16
Z864	1,2	11.6	12	-	-	1.41	4.23	11.28	240	720	1,920
	3,4	11.6	12	-	-	1.41	4.23	11.28	240	720	1,920
	1,2,3,4	-	-	11.6	24	1.41	4.23	11.28	61	183	488

Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!

This document contains safety-relevant information. It must not be altered without the authorization of the norm expert!

CONFIDENTIAL according ISO 16016	Only valid as long as released in EDM or with a valid production documentation!			scale:	date:2008-Sep-12	
	Control Drawing Installation Drawing for UL listed Z7..., Z8..., Z9.. Zener Barriers			respons.	116-0139c	
				approved		
				norm	sheet 4 of 8	

Twinsburg

Z865	1,2	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
	3,4	14.7	150	-	-	0.58	1.74	4.64	1.3	3.9	10.4
	1,2,3,4	-	-	14.7	300	0.58	1.74	4.64	0.32	0.96	2.56

TABLE 1 – ENTITY PARAMETERS (Continued)

MODEL NUMBER	TERMINALS	Voc (V)	Isc (mA)	Vt(V)	It(mA)	Groups Ca (μF)			Groups La(mH)		
						A,B	C,E	D,F,G	A,B	C,E	D,F,G
Z872	1,2	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
	3,4	22	150	-	-	0.17	0.51	1.36	1.45	4.35	11.6
	1,2,3,4	-	-	22	300	-	0.51	1.36	-	4.35	11.6
Z878	1,2	28	46	-	-	0.083	0.249	0.664	17.2	51.6	137.6
	3,4	28	46	-	-	0.083	0.249	0.664	17.2	51.6	137.6
	1,2,3,4	-	-	28	93	0.083	0.249	0.664	3.05	9.15	24.4
Z879	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	1,2,3,4	-	-	28	186	-	0.249	0.664	-	4	8
Z879.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	1,2,3,4	-	-	28	238	-	0.249	0.664	-	2	4
Z886	1,2	28	0	-	-	0.083	0.249	0.664	5	15	40
	3,4	28	0	-	-	0.083	0.249	0.664	5	15	40
	1,2,3,4	-	-	28	0	0.083	0.249	0.664	5	15	40
Z887	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	28	0	-	-	0.083	0.249	0.664	5	15	40
	1,2,3,4	-	-	28	93	0.083	0.249	0.664	3.05	9.15	24.4
Z887.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	28	0	-	-	0.083	0.249	0.664	5	15	40
	1,2,3,4	-	-	28	119	0.083	0.249	0.664	1.82	5.46	14.56
Z888	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	288	0.083	0.249	0.664	0.32	0.96	2.56
Z888.R	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	288	0.083	0.249	0.664	0.32	0.96	2.56
Z888.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	314	0.083	0.249	0.664	0.26	0.78	2.08
Z888.R.H	1,2	28	119	-	-	0.083	0.249	0.664	1.82	5.46	14.56
	3,4	9.56	195	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	28	314	0.083	0.249	0.664	0.26	0.78	2.08
Z896	1,2	26.6	85	-	-	0.094	0.282	0.752	5.14	15.42	41.12
	3,4	20.5	50	-	-	0.203	0.609	1.624	14.6	43.8	116.8
	1,2,3,4	-	-	26.6	135	0.094	0.282	0.752	2.05	6.15	16.4
Z896.L	1,2	26.0	83	-	-	0.094	0.282	0.752	5.14	15.42	41.12
	3,4	20.0	49	-	-	0.203	0.609	1.624	14.6	43.8	116.8
	1,2,3,4	-	-	26.0	132	0.094	0.282	0.752	2.05	6.15	16.4
Z905	1,2	4.89	499	-	-	100	300	800	0.14	0.42	1.12
Z910	1,2	9.94	203	-	-	3	9	24	0.86	2.58	6.88
Z915	1,2	15	153	-	-	0.58	1.74	4.64	1.3	3.9	10.4
Z915.1k	1,2	15	15	-	-	0.58	1.74	4.64	144	432	1152
Z922	1,2	+11	218	-	-	1.97	5.91	15.76	0.74	2.22	5.92
	3,4	-11	218	-	-	1.97	5.91	15.76	0.74	2.22	5.92

Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!

This document contains safety-relevant information. It must not be altered without the authorization of the norm expert!

CONFIDENTIAL according ISO 16016	Only valid as long as released in EDM or with a valid production documentation!			scale:	date:2008-Sep-12	
	Control Drawing Installation Drawing for UL listed Z7..., Z8..., Z9.. Zener Barriers			respons.	116-0139c	
				approved		
				norm	sheet 5 of 8	

	1,2,3,4	-	-	22	218	0.17	0.51	1.36	0.26	0.78	2.08
Z928	1,2	28	93	-	-	0.083	0.249	0.664	3.05	9.15	24.4

TABLE 1 – ENTITY PARAMETERS (Continued)

MODEL NUMBER	TERMINALS	Voc (V)	Isc (mA)	Vt(V)	It(mA)	Groups Ca (μF)			Groups La(mH)		
						A,B	C,E	D,F,G	A,B	C,E	D,F,G
Z954	1,2	4.5	383	-	-	100	300	800	0.24	0.72	1.92
	2,3	4.5	383	-	-	100	300	800	0.24	0.72	1.92
	2,4	4.5	383	-	-	100	300	800	0.24	0.72	1.92
	1,2,3;2,3,4	9	765	-	-	4.9	14.7	39.2	0.068	0.204	0.544
	1,2,3,4	-	-	9	1150	4.9	14.7	39.2	0.030	0.090	0.24
Z955	1,2	4.89	499	-	-	100	300	800	0.14	0.42	1.12
	3,4	4.89	499	-	-	100	300	800	0.14	0.42	1.12
	1,2,3,4	-	-	9.78	998	3.3	9.9	26.4	0.030	0.090	0.24
Z960	1,2	9.94	203	-	-	3	9	24	0.86	2.58	6.88
	3,4	9.94	203	-	-	3	9	24	0.86	2.58	6.88
	1,2,3,4	-	-	9.94	406	3	9	24	0.19	0.57	1.52
Z961 (Single module Installation)	1,2	8.7	89	-	-	4.9	14.7	39.2	4.69	14.07	37.52
	3,4	8.7	89	-	-	4.9	14.7	39.2	4.69	14.07	37.52
	1,2,3,4	-	-	17.4	178	0.346	1.038	2.768	1.14	3.42	9.12
Z961 (Installed as detailed in Diagram 6)	1,4	-	-	17.4	213	0.346	1.038	2.768	1.14	3.42	9.12
Z961.H	1,2	8.7	25	-	-	4.9	14.7	39.2	57	171	456
	3,4	8.7	25	-	-	4.9	14.7	39.2	57	171	456
	1,2,3,4	-	-	17.4	49	0.346	1.038	2.768	15.2	45.6	121.6
Z964	1,2	12	12	-	-	1.41	4.23	11.28	240	720	1920
	3,4	12	12	-	-	1.41	4.23	11.28	240	720	1920
	1,2,3,4	-	-	24	24	0.125	0.375	1	61	183	488
Z965	1,2	15	153	-	-	0.58	1.74	4.64	1.3	3.9	10.4
	3,4	15	153	-	-	0.58	1.74	4.64	1.3	3.9	10.4
	1,2,3,4	-	-	15	306	0.58	1.74	4.64	0.29	0.87	2.32
Z966	1,2	12	82	-	-	1.41	4.23	11.28	5.52	16.56	44.16
	3,4	12	82	-	-	1.41	4.23	11.28	5.52	16.56	44.16
	1,2,3,4	-	-	24	164	0.125	0.375	1	1.38	4.14	11.04
Z966.H	1,2	12	164	-	-	1.41	4.23	11.28	1.38	4.14	11.04
	3,4	12	164	-	-	1.41	4.23	11.28	1.38	4.14	11.04
	1,2,3,4	-	-	24	328	0.125	0.375	1	0.33	0.99	2.64
Z967	1,2	16.8	143	-	-	0.38	1.14	3.04	1.63	4.89	13.04
	3,4	16.8	143	-	-	0.38	1.14	3.04	1.63	4.89	13.04
	1,2,3,4	-	-	16.8	286	0.38	1.14	3.04	0.24	0.72	1.92
Z969	1,2	14.24	400	-	-	0.68	2.04	5.44	0.16	0.48	1.28
	3,4	17.6	349	-	-	0.33	0.99	2.64	0.14	0.42	1.12
	1,2,3,4	-	-	17.6	749	0.33	0.99	2.64	0.071	0.213	0.568
Z972	1,2	22	73	-	-	0.17	0.51	1.36	6.95	20.85	55.6
	3,4	22	73	-	-	0.17	0.51	1.36	6.95	20.85	55.6
	1,2,3,4	-	-	22	146	0.17	0.51	1.36	1.45	4.35	10.8
Z978	1,2	28	46	-	-	0.083	0.249	0.664	17.2	51.6	137.6
	3,4	28	46	-	-	0.083	0.249	0.664	17.2	51.6	137.6
	1,2,3,4	-	-	28	93	0.083	0.249	0.664	3.05	9.15	24.4

Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!			
This document contains safety-relevant information. It must not be altered without the authorization of the norm expert!			
CONFIDENTIAL according ISO 16016	Only valid as long as released in EDM or with a valid production documentation!	scale:	date:2008-Sep-12
	Control Drawing Installation Drawing for UL listed Z7..., Z8..., Z9.. Zener Barriers	respons.	116-0139c
		approved	
		norm	
Twinsburg			sheet 6 of 8

Notes:

1. The Entity Concept allows interconnection of intrinsically safe apparatus with associated apparatus not specifically examined in combination as a system when the approved values of Voc (or Vt) and Isc (or It) for the associated apparatus are less than or equal to Vmax and Imax for the intrinsically safe apparatus and the approved values of Ca and La for the associated apparatus are greater than Ci + Ccable and Li + Lcable, respectively, for the intrinsically safe apparatus. Where the cable capacitance and inductance per foot are not known, the following values shall be used: Ccable=60pF/ft., Lcable=0.2uH/ft.
2. Simple Apparatus: An electrical component or combination of components of simple construction with well defined electrical parameters that does not generate more than 1.5 volts, 100 milliamps, and 25 milliwatts, or a passive component that does not dissipate more than 1.3 watts and is compatible with the intrinsic safety of the circuit in which it is used.
3. Wiring methods must be in accordance with the National Electrical Code, ANSI/NFPA 70, Article 504. Additional installation information can be found in ANSI/ISA-RP 12.6.
4. Barriers shall not be connected to any device which uses or generates internally any voltage in excess of 250V Rms or DC unless the device has been determined to adequately isolate the voltage from the barrier.
5. Barriers must be mounted in an enclosure which meets the requirements of ANSI/ISA-S82. Intrinsically safe circuits must be wired and separated in accordance with Article 504.20 of the national Electrical Code (ANSI/NFPA 70) for installation in the United States, or other local codes as applicable.
6. Barriers must be connected to a suitable ground electrode per the National Electrical Code, ANSI/NFPA 70, Article 504. The resistance of the ground path must be less than 1 ohm. Any of the terminals 2,3,6,7 or the two wire clamp terminals at the base of the barrier may be used for this purpose. Alternatively, the ground connection may be established by mounting the barrier on standard 35mm DIN rail, when meeting the following conditions:
 - a. DIN rail must be standard 35mm DIN rail (35mm ± 0.3mm).
 - b. Any corrosion on the DIN rail must be removed and the DIN rail must be checked for the standard tolerance of 35mm ± 0.3mm.
 - c. A continuity check must be conducted between the DIN rail and any ground terminal on the barrier, terminals 2,3,6,7 or the wire clamp terminals at the base of the barrier.
 - d. Connect 35mm DIN rail to the ground electrode using hardware suitable to provide a ground path

Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!			
This document contains safety-relevant information. It must not be altered without the authorization of the norm expert!			
CONFIDENTIAL according ISO 16016	Only valid as long as released in EDM or with a valid production documentation!	scale:	date:2008-Sep-12
	Control Drawing Installation Drawing for UL listed Z7..., Z8..., Z9.. Zener Barriers	respons.	116-0139c
		approved	
		norm	
Twinsburg			sheet 7 of 8

resistance of less than 1 ohm.

7. Up to 5 channels can be connected to a simple apparatus as shown in connection diagram 6.

Dieses Dokument enthält sicherheitsrelevante Angaben. Es darf nicht ohne Absprache mit dem Normenfachmann geändert werden!					
This document contains safety-relevant information. It must not be altered without the authorization of the norm expert!					
CONFIDENTIAL according ISO 16016		Only valid as long as released in EDM or with a valid production documentation!		scale:	date:2008-Sep-12
 PEPPERL+FUCHS	Control Drawing Installation Drawing for UL listed Z7.., Z8.., Z9.. Zener Barriers		respons.		116-0139c
			approved		
			Twinsburg	norm	