



















# Brief Instructions

Terminal Boxes SR.T\* Stainless Steel

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## Cable Entries max. Quantity per Size

Type	Cable entry area		Faces A and B				Faces C and D			
	Faces A and B [mm]	Faces C and D [mm]	M16	M20	M25	M32	M16	M20	M25	M32
SRS.10.11.09	100 x 60	86 x 60	4	3	2	1	2	1	1	-
SRS.11.14.09	126 x 60	100 x 60	5	4	2	1	4	3	2	1
SRS.15.15.09	140 x 65	140 x 65	8	6	3	2	7	5	3	2
SRS.15.19.09	180 x 65	140 x 65	10	8	5	3	7	5	3	2
SRS.19.19.10	180 x 75	180 x 75	13	8	7	3	13	7	6	2
SRM.19.38.16	320 x 128	130 x 128	42	34	23	11	14	11	7	3
SRM.23.30.16	240 x 128	170 x 128	28	24	15	7	17	12	7	5
SRM.26.26.09	210 x 55	210 x 55	7	6	5	4	7	5	5	3
SRM.26.26.16	210 x 88	160 x 88	26	20	14	6	26	20	14	6
SRM.26.26.22	210 x 148	160 x 148	45	31	21	8	45	31	21	7
SRM.31.31.09	260 x 55	260 x 55	8	6	5	5	8	6	5	4
SRM.31.31.16	300 x 128	250 x 128	34	26	17	7	34	26	17	7
SRM.31.31.22	300 x 188	250 x 188	58	39	26	12	58	39	26	12
SRM.38.38.16	370 x 128	320 x 128	42	34	23	11	42	34	23	11
SRM.38.38.22	370 x 188	320 x 188	72	49	36	16	72	49	36	15
SRM.38.48.09	420 x 55	320 x 55	10	7	6	8	9	7	6	6
SRM.38.48.16	420 x 128	320 x 128	54	45	27	13	42	34	23	11
SRM.38.48.22	420 x 188	320 x 188	101	72	48	21	72	49	36	16
SRL.48.48.16	470 x 128	420 x 128	54	45	27	13	54	45	27	13
SRL.48.48.22	470 x 188	420 x 188	101	72	48	21	101	72	48	21
SRL.48.76.16	700 x 128	420 x 128	96	76	49	25	54	45	27	13
SRL.48.76.22	700 x 188	420 x 188	169	120	82	37	101	72	48	21

Cable gland standard type: polyamide Ex e cable glands

For other types of cable glands and combinations of different gland sizes please contact Pepperl+Fuchs

### Maximum Terminal Capacity

Maximum number of terminals in relation to the cross-section and the permissible continuous current, based on terminal type WDU.

Calculation of terminals quantities:

$$\sum_{k=0}^n \frac{\text{installed terminals quantity}}{\text{permitted terminals quantity}} < 1$$

Example:

1. Enclosure type GR.T\*.36.36.10
2. 10 x 6 mm<sup>2</sup> terminals with an application current of 24 A consume 45% of the rated power dissipation [10 (installed terminal quantity) / 22 (permitted terminal quantity)]
3. 20 x 2.5 mm<sup>2</sup> terminals with an application current of 10 A consume 25% of the rated power dissipation [20 (installed terminal quantity) / 79 (permitted terminal quantity)]
4. Installation of additional 5 terminals with 2.5 mm<sup>2</sup> and an application current of 10 A will consume 6% of the rated power dissipation
5. 45% + 25% + 6% = 76% < 100%
6. Result: installation of the additional terminals is permissible

The values shown below are those which result in a maximum 40 degrees rise within the enclosure. Please consult with Pepperl+Fuchs for different temperature rises.

When using below tables, the simultaneous factor or the rated load factor in accordance with IEC 60439 must be taken into consideration.

Terminals carrying only intrinsically safe circuits or grounding terminals may be added in any number within the physical capacity of the enclosure.

Terminals shall not be installed within the upper 25% of the height of the enclosure.

<b>Enclosure type:</b>	<b>SRS.10.11.09</b>					
<b>Maximum permitted power dissipation [W]:</b>	<b>5.5</b>					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	14	14	12	9	7	6
5	14	14	12	9	7	6
10	14	14	12	9	7	6
16	5	8	12	9	7	6
20	0	0	12	9	7	6
24	0	0	4	9	7	6
35	0	0	0	2	4	6
50	0	0	0	0	0	5
63	0	0	0	0	0	1

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<b>Enclosure type:</b>	SRS.11.14.09					
<b>Maximum permitted power dissipation [W]:</b>	6.3					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	19	19	16	12	9	8
5	19	19	16	12	9	8
10	19	19	16	12	9	8
16	5	8	16	12	9	8
20	0	0	12	12	9	8
24	0	0	5	12	9	8
35	0	0	0	2	4	8
50	0	0	0	0	0	6
63	0	0	0	0	0	1

<b>Enclosure type:</b>	SRS.11.18.09					
<b>Maximum permitted power dissipation [W]:</b>	7.0					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	27	27	22	17	13	11
5	27	27	22	17	13	11
10	27	27	22	17	13	11
16	5	8	22	17	13	11
20	0	0	12	17	13	11
24	0	0	4	15	13	11
35	0	0	0	2	4	11
50	0	0	0	0	0	6
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SRS.11.22.09					
<b>Maximum permitted power dissipation [W]:</b>	7.7					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	34	34	29	22	17	14
5	34	34	29	22	17	14
10	31	34	29	22	17	14
16	5	8	27	22	17	14
20	0	0	12	22	17	14
24	0	0	4	15	17	14
35	0	0	0	2	4	14
50	0	0	0	0	0	6
63	0	0	0	0	0	2

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Pepperl+Fuchs Group  
www.pepperl-fuchs.com

Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com



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<b>Enclosure type:</b>	<b>SRS.15.15.09</b>					
<b>Maximum permitted power dissipation [W]:</b>	<b>7.7</b>					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	22	22	18	14	11	9
5	22	22	18	14	11	9
10	22	22	18	14	11	9
16	5	8	18	14	11	9
20	0	0	13	14	11	9
24	0	0	5	14	11	9
35	0	0	0	2	5	9
50	0	0	0	0	0	6
63	0	0	0	0	0	2

<b>Enclosure type:</b>	<b>SRS.15.19.09</b>					
<b>Maximum permitted power dissipation [W]:</b>	<b>8.6</b>					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	29	29	25	18	15	12
5	29	29	25	18	15	12
10	29	29	25	18	15	12
16	5	9	25	18	15	12
20	0	0	13	18	15	12
24	0	0	5	17	15	12
35	0	0	0	2	5	12
50	0	0	0	0	0	7
63	0	0	0	0	0	2

<b>Enclosure type:</b>	<b>SRS.19.19.10</b>					
<b>Maximum permitted power dissipation [W]:</b>	<b>10.2</b>					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	29	29	25	18	15	12
5	29	29	25	18	15	12
10	29	29	25	18	15	12
16	6	9	25	18	15	12
20	0	0	14	18	15	12
24	0	0	5	18	15	12
35	0	0	0	2	5	12
50	0	0	0	0	0	7
63	0	0	0	0	0	2

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Pepperl+Fuchs Group  
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Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com



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<b>Enclosure type:</b>	SR.19.38.16					
<b>Maximum permitted power dissipation [W]:</b>	18					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	60	60	50	38	30	25
5	60	60	50	38	30	25
10	44	60	50	38	30	25
16	6	11	39	38	30	25
20	0	0	17	38	30	25
24	0	0	6	22	30	25
35	0	0	0	2	6	25
50	0	0	0	0	0	9
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.23.30.16					
<b>Maximum permitted power dissipation [W]:</b>	17.7					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	45	45	38	28	23	19
5	45	45	38	28	23	19
10	45	45	38	28	23	19
16	7	12	38	28	23	19
20	0	0	18	28	23	19
24	0	0	7	23	23	19
35	0	0	0	2	7	19
50	0	0	0	0	0	10
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.26.26.09					
<b>Maximum permitted power dissipation [W]:</b>	14.4					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	75	75	63	47	38	32
5	75	75	63	47	38	32
10	42	67	63	47	38	32
16	6	10	37	47	38	32
20	0	0	16	38	38	32
24	0	0	6	20	36	32
35	0	0	0	2	6	29
50	0	0	0	0	0	8
63	0	0	0	0	0	2

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Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com



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<b>Enclosure type:</b>	SR.26.26.16					
<b>Maximum permitted power dissipation [W]:</b>	17.7					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	75	75	63	47	38	32
5	75	75	63	47	38	32
10	49	75	63	47	38	32
16	7	12	43	47	38	32
20	0	0	19	44	38	32
24	0	0	7	24	38	32
35	0	0	0	2	7	32
50	0	0	0	0	0	10
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.26.26.22					
<b>Maximum permitted power dissipation [W]:</b>	20.4					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	75	75	63	47	38	32
5	75	75	63	47	38	32
10	53	75	63	47	38	32
16	7	13	47	47	38	32
20	0	0	20	47	38	32
24	0	0	7	26	38	32
35	0	0	0	3	7	32
50	0	0	0	0	0	11
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.31.31.09					
<b>Maximum permitted power dissipation [W]:</b>	12.1					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	94	94	79	59	48	40
5	94	94	79	59	48	40
10	30	49	79	59	48	40
16	4	8	27	53	48	40
20	0	0	12	28	47	40
24	0	0	4	15	26	40
35	0	0	0	2	4	22
50	0	0	0	0	0	6
63	0	0	0	0	0	2

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<b>Enclosure type:</b>	SR.31.31.16					
<b>Maximum permitted power dissipation [W]:</b>	15.6					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	94	94	79	59	48	40
5	94	94	79	59	48	40
10	37	61	79	59	48	40
16	5	9	33	59	48	40
20	0	0	15	34	48	40
24	0	0	5	18	33	40
35	0	0	0	2	5	27
50	0	0	0	0	0	8
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.31.31.22					
<b>Maximum permitted power dissipation [W]:</b>	18.5					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	94	94	79	59	48	40
5	94	94	79	59	48	40
10	42	69	79	59	48	40
16	6	11	38	59	48	40
20	0	0	16	39	48	40
24	0	0	6	21	37	40
35	0	0	0	2	6	31
50	0	0	0	0	0	9
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.38.38.16					
<b>Maximum permitted power dissipation [W]:</b>	22.3					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	182	182	152	115	92	77
5	182	182	152	115	92	77
10	45	74	152	115	92	77
16	6	11	40	79	92	77
20	0	0	18	41	71	77
24	0	0	6	22	40	77
35	0	0	0	2	6	34
50	0	0	0	0	0	10
63	0	0	0	0	0	2

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E-Mail: info@de.pepperl-fuchs.com



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<b>Enclosure type:</b>	SR.38.38.22					
<b>Maximum permitted power dissipation [W]:</b>	25.8					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	182	182	152	115	92	77
5	182	182	152	115	92	77
10	50	83	152	115	92	77
16	7	13	45	89	92	77
20	0	0	20	46	80	77
24	0	0	7	25	45	77
35	0	0	0	3	7	38
50	0	0	0	0	0	11
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.38.48.09					
<b>Maximum permitted power dissipation [W]:</b>	22.4					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	239	239	201	152	122	102
5	239	239	201	152	122	102
10	41	68	141	152	122	102
16	6	10	37	73	122	102
20	0	0	16	38	66	102
24	0	0	6	21	37	88
35	0	0	0	2	6	31
50	0	0	0	0	0	9
63	0	0	0	0	0	2

<b>Enclosure type:</b>	SR.38.48.16					
<b>Maximum permitted power dissipation [W]:</b>	27.1					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	239	239	201	152	122	102
5	239	239	201	152	122	102
10	49	80	167	152	122	102
16	7	12	44	86	122	102
20	0	0	19	45	78	102
24	0	0	7	24	44	102
35	0	0	0	2	7	37
50	0	0	0	0	0	10
63	0	0	0	0	0	2



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<b>Enclosure type:</b>	SR.38.48.22					
<b>Maximum permitted power dissipation [W]:</b>	30.9					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	239	239	201	152	122	102
5	239	239	201	152	122	102
10	54	89	186	152	122	102
16	8	13	49	96	122	102
20	0	0	21	50	87	102
24	0	0	8	27	49	102
35	0	0	0	3	8	41
50	0	0	0	0	0	12
63	0	0	0	0	0	3

<b>Enclosure type:</b>	SR.38.76.16					
<b>Maximum permitted power dissipation [W]:</b>	40.3					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	401	401	336	254	204	171
5	330	401	336	254	204	171
10	54	89	187	254	204	171
16	8	13	49	96	165	171
20	0	0	21	50	88	171
24	0	0	8	27	49	120
35	0	0	0	3	8	43
50	0	0	0	0	0	12
63	0	0	0	0	0	3

<b>Enclosure type:</b>	SR.40.60.22					
<b>Maximum permitted power dissipation [W]:</b>	38.6					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	309	309	259	196	157	131
5	309	309	259	196	157	131
10	59	97	203	196	157	131
16	8	15	53	105	157	131
20	0	0	23	55	95	131
24	0	0	8	29	53	129
35	0	0	0	3	8	46
50	0	0	0	0	0	13
63	0	0	0	0	0	3

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<b>Enclosure type:</b>	SR.48.48.16					
<b>Maximum permitted power dissipation [W]:</b>	33.6					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	319	319	268	202	163	136
5	319	319	268	202	163	136
10	55	91	190	202	163	136
16	8	14	50	98	163	136
20	0	0	22	51	89	136
24	0	0	8	28	50	119
35	0	0	0	3	8	43
50	0	0	0	0	0	12
63	0	0	0	0	0	3

<b>Enclosure type:</b>	SR.48.48.22					
<b>Maximum permitted power dissipation [W]:</b>	38.1					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	319	319	268	202	163	136
5	319	319	268	202	163	136
10	61	101	211	202	163	136
16	9	15	55	109	163	136
20	0	0	24	57	99	136
24	0	0	9	31	55	133
35	0	0	0	3	9	47
50	0	0	0	0	0	13
63	0	0	0	0	0	3

<b>Enclosure type:</b>	SR.48.76.16					
<b>Maximum permitted power dissipation [W]:</b>	49.8					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	535	535	448	339	272	228
5	387	535	448	339	272	228
10	63	105	219	339	272	228
16	9	16	57	113	193	228
20	0	0	25	59	104	221
24	0	0	9	32	58	141
35	0	0	0	3	9	50
50	0	0	0	0	0	14
63	0	0	0	0	0	3

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E-Mail: info@de.pepperl-fuchs.com

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<b>Enclosure type:</b>	SR.48.76.22					
<b>Maximum permitted power dissipation [W]:</b>	55.1					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	535	535	448	339	272	228
5	423	535	448	339	272	228
10	69	114	239	339	272	228
16	10	17	63	124	211	228
20	0	0	27	65	113	228
24	0	0	10	35	63	154
35	0	0	0	3	10	55
50	0	0	0	0	0	15
63	0	0	0	0	0	3

<b>Enclosure type:</b>	SR.60.60.26					
<b>Maximum permitted power dissipation [W]:</b>	59.2					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	515	515	432	326	262	219
5	473	515	432	326	262	219
10	77	128	267	326	262	219
16	11	19	70	138	236	219
20	0	0	30	72	126	219
24	0	0	11	39	70	172
35	0	0	0	4	11	61
50	0	0	0	0	0	17
63	0	0	0	0	0	4

<b>Enclosure type:</b>	SR.80.80.30					
<b>Maximum permitted power dissipation [W]:</b>	100.9					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	849	849	712	538	432	361
5	618	849	712	538	432	361
10	100	168	351	538	432	361
16	14	25	92	182	312	361
20	0	0	39	95	167	361
24	0	0	14	51	93	230
35	0	0	0	5	14	82
50	0	0	0	0	0	23
63	0	0	0	0	0	5

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Pepperl+Fuchs Group  
www.pepperl-fuchs.com

Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com

# Brief Instructions

Terminal Boxes SR.T\* Stainless Steel

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<b>Enclosure type:</b>	SR.90.60.30					
<b>Maximum permitted power dissipation [W]:</b>	90.6					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	721	721	604	457	367	307
5	578	721	604	457	367	307
10	94	157	328	457	367	307
16	13	23	86	170	292	307
20	0	0	37	89	156	307
24	0	0	13	48	87	214
35	0	0	0	4	13	76
50	0	0	0	0	0	21
63	0	0	0	0	0	4

<b>Enclosure type:</b>	SR.100.80.30					
<b>Maximum permitted power dissipation [W]:</b>	123.5					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	1132	1132	949	717	577	482
5	675	1114	949	717	577	482
10	110	184	385	652	577	482
16	15	27	101	199	343	482
20	0	0	43	104	183	398
24	0	0	15	56	102	254
35	0	0	0	5	16	90
50	0	0	0	0	0	25
63	0	0	0	0	0	5

<b>Enclosure type:</b>	SR.120.120.30					
<b>Maximum permitted power dissipation [W]:</b>	201.7					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	2184	2184	1831	1385	1113	930
5	847	1403	1831	1385	1113	930
10	137	231	484	823	1113	930
16	19	34	127	251	435	859
20	0	0	54	131	232	508
24	0	0	19	70	129	324
35	0	0	0	6	20	115
50	0	0	0	0	0	32
63	0	0	0	0	0	6

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Tel: +49 621 776-0  
E-Mail: info@de.pepperl-fuchs.com



# Brief Instructions

Terminal Boxes SR.T\* Stainless Steel

<b>Enclosure type:</b>	SR.130.80.30					
<b>Maximum permitted power dissipation [W]:</b>	157.5					
<b>Permitted number of terminals based on terminal capacity and application current:</b>						
<b>Terminal capacity [mm<sup>2</sup>]</b>						
<b>Current [A]</b>	1.5	2.5	4	6	10	16
3	1415	1415	1186	897	721	603
5	731	1209	1186	897	721	603
10	118	199	418	709	721	603
16	16	30	109	216	374	603
20	0	0	47	113	200	436
24	0	0	17	60	111	278
35	0	0	0	5	17	99
50	0	0	0	0	0	27
63	0	0	0	0	0	6