

## Flat terminals

- tin-plated brass
- not insulated



Art. No.	CSS	W	plug	PU	PrU
280110	<b>0,5 - 1,0</b>	6,3	6,3x0,8	200	100
280114	<b>1 - 2,5</b>	6,3	6,3x0,8	200	100

## Socket sleeves (male) with latching tongue

- bare brass
- not insulated



Art. No.	CSS	W	plug	PU	PrU
280101	<b>0,5 - 1,0</b>	6,3	6,3x0,8	200	100
280105	<b>1 - 2,5</b>	6,3	6,3x0,8	200	100

## Socket sleeves (male) with latching tongue

- tin-plated brass
- not insulated



Art. No.	CSS	W	plug	PU	PrU
280111	<b>0,5 - 1,0</b>	6,3	6,3x0,8	200	100
280115	<b>1 - 2,5</b>	6,3	6,3x0,8	200	100

## Ring terminals

- bare brass
- not insulated



Art. No.	CSS	M	W	PU	PrU
280120	<b>0,5 - 1,0</b>	3	8	200	100
280124		4	8	200	100
280128		5	9,5	200	100
280132	<b>1 - 2,5</b>	3	8	200	100
280136		4	8	200	100
280140		5	9,5	200	100

## Ring terminals

- tin-plated brass
- not insulated



Art. No.	CSS	M	W	PU	PrU
280150	<b>0,5 - 1,0</b>	3	8	200	100
280154		4	8	200	100
280158		5	9,5	200	100
280162	<b>1 - 2,5</b>	3	8	200	100
280166		4	8	200	100
280170		5	9,5	200	100

## Socket sleeves (female), insulating sleeves, connectors

### Flat terminals

- bare brass
- not insulated



Art. No.	plug	Fo.	PU	PrU
280180	6,3x0,8	1	200	100
280182	6,3x0,8	5	200	100
280184	6,3x0,8	2	200	100
280186	6,3x0,8	4	200	100
280188	6,3x0,8	3	200	100

### Flat terminals

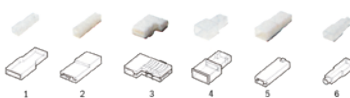
- tin-plated brass
- not insulated



Art. No.	plug	Fo.	PU	PrU
280190	6,3x0,8	1	200	100
280192	6,3x0,8	5	200	100
280194	6,3x0,8	2	200	100
280196	6,3x0,8	4	200	100
280198	6,3x0,8	3	200	100

## Insulating sleeves

- of PVC and nylon



Art. No.	plug	Fo.	PU	PrU
280200	6,3x0,8	1	PVC	100
280202	6,3x0,8	2	Nylon	100
280204	4,8x0,8	6	PVC	100
280206	4,8x0,8	2	Nylon	100
280208	2,8x0,8	6	PVC	100
280210	2,8x0,8	5	Nylon	100
280212	6,3x0,8	4	PVC	100
280214	6,3x0,8	3	Nylon	100

## Elastic connectors with socket sleeves (male)

- 1 - 12 pole, PVC, natural colour



Art. No.	plug	Fo.	PU	PrU
280460	2,8x0,8	1	100	100
280482	2,8x0,8	12	10	100
280490	4,8x0,8	1	100	100
280512	4,8x0,8	12	10	100
280520	6,3x0,8	1	100	100
280542	6,3x0,8	12	10	100
280550	2,8x0,8	1	100	100
280572	2,8x0,8	12	50	100

## Elastic cable distributors

- PVC, natural colour



Art. No.	plug	Fo.	PU	PrU
280580	6,3x0,8	1	50	100
280582	6,3x0,8	2	50	100

## Small packages

### Socket sleeves (female) "SmallPack"

- bare brass
- not insulated



Art. No.	CSS	W	plug	PU	PrU
280000/20	<b>0,5 - 1</b>	7,6	6,3x0,8	20	100
280004/20	<b>1 - 2,5</b>	7,6	6,3x0,8	20	100
280008/20	<b>0,5 - 1,25</b>	5,6	4,8x0,8	20	100

### Socket sleeves (female) "SmallPack" with branch

- bare brass, not insulated



Art. No.	CSS	W	plug	PU	PrU
280084/20	<b>1 - 2,5</b>	7,6	6,3x0,8	20	100

### Flat terminals "SmallPack"

- bare brass
- not insulated



Art. No.	CSS	W	plug	PU	PrU
280100/20	<b>0,5 - 1,0</b>	6,3	6,3x0,8	20	100
280104/20	<b>1 - 2,5</b>	6,3	6,3x0,8	20	100

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## Solderless terminals

### Crimp ring terminals without insulation DIN 46234

**Cu**

- Material: 99,9% electrolytic copper
- Surface: tin-plated
- Ring type



Art. No.	CSS	M	W	PU	PrU
290619	<b>0,5 - 1,0</b>	2,5	8	100	100
290620 *		3	8	100	100
290621		3,5	8	100	100
290622		4	8	100	100
290624		5	8	100	100
290623 *		6	10	100	100
290625		8	14	100	100
290617		10	14	100	100
290626	<b>1,5 - 2,5</b>	3	8	100	100
290627		3,5	8	100	100
290628		4	8	100	100
290630 *		5	10	100	100
290632 *		6	11	100	100
290634		8	15	100	100
290635		10	15	100	100
290636	<b>4 - 6,0</b>	4	8	100	100
290637		3,5	8	100	100
290646 *		5	10	100	100
290648 *		6	11	100	100
290650		8	14	100	100
290652		10	18	100	100
290654		12	18	100	100
290656	<b>10</b>	5	10	100	100
290658 *		6	11	100	100
290660		8	14	100	100
290662		10	18	100	100
290663		12	22	100	100
290664	<b>16</b>	5	10	100	100
290666		6	11	100	100
290668 *		8	14	100	100
290670		10	18	100	100
290672		12	22	100	100
290676	<b>25</b>	6	12	50	100
290678 *		8	16	50	100
290680		10	18	50	100
290682		12	22	50	100
290684		16	28	50	100
290686 *	<b>35</b>	8	16	50	100
290688		10	18	50	100
290690		12	22	50	100
290692		16	28	50	100
290694	<b>50</b>	8	18	40	100
290696 *		10	18	40	100
290698		12	22	40	100
290700		16	28	25	100
290701	<b>70</b>	8	22	25	100
290702 *		10	22	25	100
290704		12	22	20	100
290707	<b>95</b>	8	24	20	100
290708 *		10	24	20	100
290710 *		12	24	20	100
290712		16	28	20	100
290713 *	<b>120</b>	10	24	25	100
290714 *		12	24	25	100
290716		16	28	25	100
290717		20	32	25	100
290719	<b>150</b>	10	30	25	100
290721 *		12	30	25	100
290718		16	30	25	100
290720 *	<b>185</b>	16	36	10	100

## Insulated crimp cable lugs

**Cu**

- Nylon-insulated
- Ring type



Art. No.	CSS	M	PU	PrU
260902	<b>10</b>	5	100	100
260904 *		6	100	100
260906		8	100	100
260908		10	100	100
260910		12	100	100
260912	<b>16</b>	5	100	100
260914		6	100	100
260916 *		8	100	100
260918		10	100	100
260920		12	100	100
260922	<b>25</b>	5	100	100
260924		6	100	100
260926 *		8	100	100
260928		10	100	100
260930		12	100	100
260932		16	100	100
260934	<b>35</b>	6	100	100
260936 *		8	100	100
260938		10	100	100
260940		12	100	100
260942		16	100	100
260944	<b>50</b>	6	50	100
260946 *		8	50	100
260948		10	50	100
260950		12	50	100
260952		16	50	100
260954	<b>70</b>	6	50	100
260956		8	50	100
260960		12	50	100
260962		16	50	100
260964 *	<b>95</b>	8	50	100
260966		10	50	100
260968		12	50	100
260970		16	50	100
260972	<b>120</b>	8	25	100
260974 *		10	25	100
260976		12	25	100
260978		16	25	100
260980	<b>150</b>	10	25	100
260982		12	25	100
260984		16	25	100

## Solderless terminals for meter connection

**Cu**

- Nylon-insulated
- Fork type



Art. No.	CSS	M	PU	PrU
260858	<b>10</b>	5	50	100
260860 *		6	50	100
260862	<b>16</b>	6	50	100
260863 *		8	50	100

## Fork terminals without insulation

**Cu**

- Material: 99,9% electrolytic copper
- Surface: tin-plated
- Fork type



Art. No.	CSS	M	W	PU	PrU
290730 *	<b>0,5 - 1,0</b>	3	5,6	100	100
290731		3,5	6,5	100	100
290732		4	6,4	100	100
290734		5	8	100	100
290735		6	9,2	100	100
290736	<b>1,5 - 2,5</b>	3	5,6	100	100
290739		3,5	6,6	100	100
290738 *		4	6,6	100	100
290740		5	9,1	100	100
290742		6	10	100	100
290744	<b>4 - 6,0</b>	4	8	100	100
290746		5	9	100	100
290748 *		6	11	100	100
290750		8	15,2	100	100
290751		10	19	100	100
290752	<b>10</b>	5	9	100	100
290754 *		6	10,3	100	100
290756 *	<b>16</b>	6	11	100	100

## Pin terminals without insulation DIN 46230

**Cu**

- Material: 99,9% electrolytic copper
- Surface: tin-plated
- Pin type



Art. No.	CSS	W	M	PU	PrU
290770 *	<b>0,5 - 1,0</b>	1,8	12	100	100
290771		1,8	9	100	100
290773 *	<b>1,5 - 2,5</b>	1,8	12	100	100
290775		1,8	9	100	100
290777	<b>4 - 6,0</b>	2,6	12,5	100	100
290776	<b>10</b>	4	14	100	100
290778 *	<b>16</b>	4,5	14	100	100
290780 *	<b>25</b>	7	15	100	100
290782	<b>35</b>	8	20	100	100
290784	<b>50</b>	9,5	20	100	100
290786	<b>70</b>	11,5	25	50	100
290788	<b>95</b>	13,5	25	50	100

## Parallel connectors DIN 46341 part 1, type A **Cu**

- Material: 99,9% electrolytic copper
- Surface: tin-plated



Art. No.	CSS	←→	PU	PrU
291090 *	<b>0,5 - 1,0</b>	7	100	100
291092	<b>1,5 - 2,5</b>	7	100	100
291096	<b>4 - 6</b>	7	100	100
291098 *	<b>10</b>	9	100	100
291100	<b>16</b>	10	100	100
291102	<b>25</b>	13	100	100
291104	<b>35</b>	16	50	100
291106	<b>50</b>	19	50	100
291108	<b>70</b>	19	50	100
291110	<b>95</b>	20	25	100
291112	<b>120</b>	22	25	100
291114	<b>150</b>	26	20	100

## Solderless butt connectors DIN 46341 part 1, type B **Cu**

- Material: 99,9% electrolytic copper
- Surface: tin-plated



Art. No.	CSS	←→	PU	PrU
291119 *	<b>0,5 - 1,0</b>	15	100	100
291120 *	<b>1,5 - 2,5</b>	15	100	100
291124 *	<b>4 - 6</b>	15	100	100
291126 *	<b>10</b>	21	100	100
291128 *	<b>16</b>	26	100	100
291130	<b>25</b>	29	50	100
291132	<b>35</b>	32	25	100
291134	<b>50</b>	48	25	100
291136	<b>70</b>	48	25	100
291138	<b>95</b>	48	25	100
291140	<b>120</b>	48	25	100
291142	<b>150</b>	48	20	100

## Tubular terminals, Light "T" series **Cu** **light**

- Material: 99,9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated
- with sight hole



Art. No.	CSS	M	PU	PrU
294000	<b>1,5</b>	4	100	100
294002 *		5	100	100
294004		6	100	100
294006	<b>2,5</b>	4	100	100
294008 *		5	100	100
294010		6	100	100
294012		8	100	100
294014	<b>4</b>	4	100	100
294016 *		5	100	100
294018		6	100	100
294020		8	100	100
294022	<b>6</b>	4	100	100
294024 *		5	100	100
294026 *		6	100	100
294028		8	100	100

Art. No.	CSS	M	PU	PrU
294034	<b>10</b>	5	100	100
294036 *		6	100	100
294038 *		8	100	100
294040		10	100	100
294044	<b>16</b>	5	100	100
294046		6	100	100
294048 *		8	100	100
294050		10	100	100
294052		12	100	100
294054	<b>25</b>	6	50	100
294056 *		8	50	100
294058		10	50	100
294060 *		12	50	100
294062	<b>35</b>	6	50	100
294064 *		8	50	100
294066		10	50	100
294068		12	50	100
294070		14	50	100
294080	<b>50</b>	6	40	100
294082		8	40	100
294084 *		10	40	100
294086		12	40	100
294088		14	30	100
294094	<b>70</b>	8	25	100
294096 *		10	25	100
294098		12	25	100
294100		14	20	100
294102		16	20	100
294106	<b>95</b>	8	20	100
294108		10	20	100
294110 *		12	20	100
294112		14	15	100
294114		16	15	100
294118	<b>120</b>	10	10	100
294120 *		12	10	100
294122		14	10	100
294124		16	10	100
294128	<b>150</b>	10	10	100
294130 *		12	10	100
294132		14	10	100
294134		16	10	100
294138	<b>185</b>	10	10	100
294140		12	20	100
294142		14	20	100
294144		16	20	100
294150	<b>240</b>	12	10	100
294152		14	10	100
294154 *		16	10	100
294160	<b>300</b>	12	8	100
294162		14	8	100
294164		16	8	100
294174	<b>400</b>	16	5	100
294176		20	5	100
294184	<b>500</b>	16	3	100
294196	<b>630</b>	20	3	100

## Butt connectors, Light "M" series **Cu** **light**

- Material: 99,9% electrolytic copper
- E-CU DIN 40500
- Surface: tin-plated



Art. No.	CSS	←→	PU	PrU
294200	<b>1,5</b>	22	200	100
294202	<b>2,5</b>	22	200	100
294204	<b>4</b>	25	100	100
294206	<b>6</b>	25	100	100
294208	<b>10</b>	25	100	100
294210	<b>16</b>	29	100	100
294212	<b>25</b>	29	50	100
294214	<b>35</b>	35	50	100
294218	<b>50</b>	35	40	100
294220	<b>70</b>	45	20	100
294222	<b>95</b>	47	20	100
294224	<b>120</b>	52	20	100
294226	<b>150</b>	59	20	100
294228	<b>185</b>	65	20	100
294230	<b>240</b>	75	10	100
294232	<b>300</b>	90	5	100
294234	<b>400</b>	106	5	100

## Tubular cable lugs, standard series **Cu** **HUPtype**

available with and without sight hole e.g. 29 09 00/S

- Material: 99,9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated
- tubular



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Art. No.	CSS	M	PU	PrU
290900 *	<b>0,75</b>	3	100	100
290902		4	100	100
290904	<b>1,5</b>	3	100	100
290906 *		4	100	100
290908 *		5	100	100
290910		6	100	100
290912	<b>2,5</b>	3	100	100
290914		4	100	100
290916 *		5	100	100
290918		6	100	100
290920		8	100	100
290922	<b>4</b>	4	100	100
290924 *		5	100	100
290926 *		6	100	100
290928		8	100	100
290930	<b>6</b>	4	100	100
290932 *		5	100	100
290934 *		6	100	100
290936		8	100	100
290938	<b>10</b>	5	100	100
290940 *		6	100	100
290942 *		8	100	100
290944		10	100	100
290946		12	100	100
290948	<b>16</b>	5	100	100
290950		6	100	100
290952 *		8	100	100
290954		10	100	100
290956		12	100	100
290958	<b>25</b>	6	50	100
290960 *		8	50	100
290962		10	50	100
290964		12	50	100
290966	<b>35</b>	6	40	100
290968 *		8	40	100
290970		10	40	100
290972		12	40	100
290974		16	40	100
290976	<b>50</b>	6	40	100
290978 *		8	40	100
290980 *		10	25	100
290982		12	25	100
290984		16	25	100
290985	<b>70</b>	6	25	100
290986		8	25	100
290988 *		10	25	100
290990		12	25	100
290991		14	25	100
290992		16	25	100
290994	<b>95</b>	8	25	100
290996		10	25	100
290998 *		12	25	100
290999		14	15	100
291000		16	15	100
291002		20	15	100
290004	<b>120</b>	8	15	100
290006 *		10	15	100
290008 *		12	15	100
290009		14	18	100
290010		16	15	100
290012		20	15	100

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Art. No.	CSS	M	PU	PrU
290014	<b>150</b>	10	15	100
290016 *		12	15	100
290017		14	15	100
290018		16	15	100
290020		20	12	100
290022 *	<b>185</b>	12	20	100
290023		14	20	100
290024 *		16	20	100
290026		20	20	100
290028 *	<b>240</b>	12	15	100
290029		14	15	100
290030 *		16	15	100
290034	<b>300</b>	12	8	100
290036		14	8	100
290038		16	8	100
290040		20	8	100
290046	<b>400</b>	16	5	100
290048		20	5	100
290041	<b>500</b>	16	6	100
290043		20	6	100
290045	<b>625</b>	16	3	100
290047		20	3	100

#### Angled tubular cable lugs 90°, standard series

- Material: 99.9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated



Art. No.	CSS	M	PU	PrU
290932/90	<b>6</b>	5	100	100
290934/90		6	100	100
290936/90		8	100	100
290938/90	<b>10</b>	5	100	100
290940/90		6	100	100
290942/90		8	100	100
290944/90		10	100	100
290948/90	<b>16</b>	5	100	100
290950/90		6	100	100
290952/90		8	100	100
290954/90		10	100	100
290956/90		12	100	100
290958/90	<b>25</b>	6	50	100
290960/90		8	50	100
290962/90		10	50	100
290964/90		12	50	100
290966/90	<b>35</b>	6	40	100
290968/90		8	40	100
290970/90		10	40	100
290972/90		12	40	100
290976/90	<b>50</b>	6	40	100
290978/90		8	40	100
290980/90		10	25	100
290982/90		12	25	100
290986/90	<b>70</b>	8	25	100
290988/90 *		10	25	100
290990/90		12	25	100
290992/90		16	25	100
290994/90	<b>95</b>	8	25	100
290996/90		10	25	100
290998/90		12	25	100
291000/90		16	15	100
291002/90		20	15	100
290006/90	<b>120</b>	10	15	100
290008/90		12	15	100
290010/90		16	15	100
290014/90	<b>150</b>	10	15	100
290016/90		12	15	100
290018/90		16	15	100
290020/90		20	12	100
291004/90	<b>185</b>	10	20	100
290022/90		12	20	100
290024/90		16	20	100
290028/90	<b>240</b>	12	15	100
290030/90		16	15	100

#### Butt connectors, standard series

**Cu** HUPtype

- Material: 99.9% electrolytic copper E-CU DIN 40500
- Surface: tin-plated



Art. No.	CSS	W	PU	PrU
291050	<b>0,75</b>	14	100	100
291052	<b>1,5</b>	14	100	100
291054	<b>2,5</b>	16	100	100
291056	<b>4</b>	19	100	100
291058	<b>6</b>	19	100	100
291060	<b>10</b>	30	100	100
291062	<b>16</b>	35	50	100
291064	<b>25</b>	40	50	100
291066	<b>35</b>	45	50	100
291068	<b>50</b>	50	25	100
291070	<b>70</b>	55	25	100
291072	<b>95</b>	60	25	100
291074	<b>120</b>	65	15	100
291076	<b>150</b>	70	20	100
291078	<b>185</b>	80	5	100
291080	<b>240</b>	90	10	100
291082	<b>300</b>	100	5	100
291084	<b>400</b>	100	5	100

#### T-connectors, standard series

**Cu** HUPtype

- Material: 99.9% E-CU DIN 40500
- Annealed material
- Surface: tin-plated



Art. No.	CSS	W	PU	PrU
291330	<b>1,5</b>	12	30	25
291332	<b>2,5</b>	12	30	25
291334	<b>4</b>	12	30	25
291336	<b>6</b>	14	35	25
291338	<b>10</b>	14	35	25
291340	<b>16</b>	21	50	25
291342	<b>25</b>	23	55	25
291344	<b>35</b>	30	70	25
291348	<b>50</b>	34	80	25
291350	<b>70</b>	35	85	25
291352	<b>95</b>	36	90	25
291354	<b>120</b>	38	95	100
291356	<b>150</b>	44	110	100
291358	<b>185</b>	45	115	1
291360	<b>240</b>	52	130	1

#### Tubular cable lugs, nylon-insulated, standard series

**Cu** Nylon

- Material: 99.9% electrolytic copper
- Surface: tin-plated
- with sight hole
- Insulation: black



Art. No.	CSS	M	PU	PrU
290800	<b>10</b>	5	100	100
290801		6	100	100
290802		8	100	100
290804		10	50	100
290806	<b>16</b>	5	100	100
290810		6	50	100
290812		8	50	100
290814		10	50	100
290816		12	50	100
290818	<b>25</b>	6	25	100
290820		8	25	100
290822		10	25	100
290824		12	25	100
290826	<b>35</b>	6	25	100
290830		8	25	100
290832		10	25	100
290834		12	25	100
290836	<b>50</b>	6	25	100
290840		8	25	100
290842		10	25	100
290844		12	25	100
290846		14	20	100
290848	<b>70</b>	8	15	100
290850		10	15	100
290852		12	15	100
290854		14	15	100
290856		16	15	100
290858	<b>95</b>	8	25	100
290860		10	25	100
290862		12	25	100
290864		14	25	100
290866		16	25	100
290868	<b>120</b>	8	25	100
290870		10	25	100
290872		12	20	100
290874		14	20	100
290876		16	20	100
290878	<b>150</b>	10	20	100
290880		12	20	100
290882		14	20	100
290884		16	20	100
290886		20	20	100

HAUPA does not invoice metal surcharge!

## Tubular cable lugs for fine-wired, high flexible conductors

**Cu F-type**

- For fine stranded conductors, DIN VDE 60228 e.g. VDE 0295 class 5/6
- Material: 99.9% E-Cu DIN 40500
- Surface: tin-plated
- With inspection hole



Art. No.	CSS	M	PU	PrU
290250 *	10	6	100	100
290252		8	100	100
290254		10	100	100
290256		12	100	100
290258	16	6	100	100
290260 *		8	100	100
290262		10	100	100
290264		12	100	100
290266	25	6	50	100
290268 *		8	50	100
290270		10	50	100
290272		12	50	100
290276 *	35	8	40	100
290278		10	40	100
290280		12	40	100
290282	50	8	25	100
290284 *		10	25	100
290286 *		12	25	100
290288		16	25	100
290290	70	8	25	100
290292 *		10	25	100
290294		12	25	100
290296		16	25	100
290300	95	10	25	100
290302 *		12	25	100
290304		16	25	100
290306	120	10	20	100
290308 *		12	20	100
290310		16	18	100
290316 *	150	12	12	100
290318		16	12	100
290320		20	10	100
290322	185	12	20	100
290324		16	20	100
290326		20	15	100
290328 *	240	12	15	100
290330		16	15	100
290332		20	15	100
290334	300	12	8	100
290336		16	8	100
290338		20	8	100

## Butt-connector for fine stranded high flexible conductors

**Cu F-type**

- For fine stranded conductors, DIN VDE 60228 e.g. VDE 0295 class 5/6
- Material: 99.9% E-Cu DIN 40500
- Surface: tin-plated
- With buttmarks for precise cable insertion



Art. No.	CSS	↔	PU	PrU
290350	10	30	50	100
290352	16	35	50	100
290354	25	35	50	100
290356	35	35	25	100
290358	50	45	25	100
290360	70	45	25	100
290362	95	45	25	100
290364	120	55	25	100
290366	150	65	25	100
290368	185	70	18	100
290370	240	70	6	100
290372	300	75	6	100
290374	400	100	6	100

## Pressing terminals and connectors

### Cable lugs acc. to DIN 46235

**Cu DIN**

- Material: 99.9% E-Cu DIN 40500
- Surface: bare



Art. No.	CSS	M	I/no.	PU	PrU
290001	6	5	5	100	100
290003		6	5	100	100
290005		8	5	100	100
290007	10	5	6	100	100
290011		6	6	100	100
290013		8	6	100	100
290015		10	6	100	100
290019	16	6	8	50	100
290021		8	8	50	100
290025		10	8	50	100
290027		12	8	50	100
290031	25	6	10	50	100
290033		8	10	50	100
290035		10	10	50	100
290037		12	10	50	100
290039	35	6	12	25	100
290042		8	12	15	100
290044		10	12	25	100
290049		12	12	25	100
290050	50	8	14	25	100
290051		10	14	25	100
290052		12	14	25	100
290053		16	14	20	100
290054	70	8	16	25	100
290055		10	16	25	100
290056		12	16	25	100
290057		16	16	20	100
290058	95	10	18	15	100
290059		12	18	15	100
290060		16	18	15	100
290061	120	10	20	20	100
290063		12	20	20	100
290064		16	20	20	100
290065		20	20	20	100
290066	150	10	22	15	100
290067		12	22	15	100
290068		16	22	15	100
290069		20	22	12	100

Art. No.	CSS	M	I/no.	PU	PrU
290070	185	10	25	10	100
290071		12	25	10	100
290072		16	25	10	100
290073		20	25	10	100
290074	240	12	28	8	100
290075		16	28	8	100
290076		20	28	8	100
290077	300	16	32	4	100
290078		20	32	4	100
290079	400	16	38	6	100
290080		20	38	6	100
290081	500	20	42	6	100
290082	625	20	44	1	100
290083	800	20	52	1	100
290084	1000	20	58	1	100

## Compression joints acc. to DIN 46267 Part 1 (for non-tension connections)

**Cu DIN**

- Material: 99.9% E-Cu DIN 40500
- Surface: bare
- With marks for correct crimping
- Annealed material for easier crimping



Art. No.	CSS	I/no.	↔	PU	PrU
291520	6	5	30	100	100
291522	10	6	30	100	100
291524	16	8	50	50	100
291526	25	10	50	50	100
291528	35	12	50	50	100
291530	50	14	55	25	100
291532	70	16	55	25	100
291534	95	18	70	15	100
291536	120	20	70	25	100
291538	150	22	80	15	100
291540	185	25	85	5	100
291542	240	28	90	10	100
291544	300	32	100	5	100
291546	400	38	150	8	100
291548	500	42	160	5	100
291550	625	44	160	1	100
291552	800	52	200	1	100
291554	1000	58	1000	1	100

## Compression joints acc. to DIN 48085, Part 1 (for full-tension cable connections)

**Cu DIN**

- Material: 99.9% E-Cu DIN 40500
- Surface: bare
- With marks for correct crimping
- Annealed material for easier crimping
- For full-tension cable connections
- Overhead line construction



Art. No.	CSS	I/no.	↔	PU	PrU
291440	6	6	65	50	100
291442	10	8	80	50	100
291444	16	8	95	50	100
291446	25	10	95	50	100
291448	35	12	95	25	100
291450	50	14	110	25	100
291452	70	16	110	25	100
291454	95	20	145	10	100
291456	120	22	160	10	100
291458	150	25	180	10	100
291460	185	32	260	5	100
291462	240	34	310	5	100
291464	300	38	360	5	100

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## Cable lugs acc. to DIN 46235

**Cu** **DIN**

- Material: 99,9% electrolytic copper
- Surface: tin-plated



Art. No.	CSS	M	I/no.	PU	PrU
290404 *	6	6	5	100	100
290406		8	5	100	100
290408	10	5	6	100	100
290410 *		6	6	100	100
290412 *		8	6	100	100
290414		10	6	100	100
290416	16	6	8	50	100
290418 *		8	8	50	100
290420		10	8	50	100
290422		12	8	50	100
290424	25	6	10	50	100
290426 *		8	10	50	100
290428		10	10	50	100
290430		12	10	50	100
290432	35	6	12	25	100
290434 *		8	12	25	100
290436		10	12	25	100
290438		12	12	25	100
290440	50	8	14	25	100
290442 *		10	14	25	100
290444		12	14	25	100
290446		16	14	20	100
290448	70	8	16	25	100
290450 *		10	16	25	100
290452		12	16	25	100
290454		16	16	20	100
290456 *	95	10	18	15	100
290458 *		12	18	15	100
290460		16	18	15	100
290462	120	10	20	20	100
290464 *		12	20	20	100
290466		16	20	20	100
290468		20	20	15	100
290470	150	10	22	15	100
290472 *		12	22	15	100
290474		16	22	15	100
290476		20	22	15	100
290478	185	10	25	10	100
290480 *		12	25	10	100
290482 *		16	25	10	100
290484		20	25	10	100
290486 *	240	12	28	8	100
290488 *		16	28	8	100
290490		20	28	8	100
290492	300	16	32	5	100
290494		20	32	5	100
290496	400	16	38	3	100
290498		20	38	1	100
290516	500	20	42	1	100
290518	625	20	44	1	100
290520	800	20	52	1	100
290522	1000	20	58	1	100

## Cable lugs "SmallPack" acc. to DIN 46235

- Material: 99,9% electrolytic copper
- Surface: tin-plated



Art. No.	CSS	M	I/no.	PU	PrU
290404/10	6	6	5	10	100
290406/10		8	5	10	100
290410/10	10	6	6	10	100
290412/10		8	6	10	100
290416/10	16	6	8	10	100
290418/10		8	8	10	100
290420/10		10	8	10	100
290426/10	25	8	10	10	100
290428/10		10	10	10	100
290434/10	35	8	12	10	100
290436/10		10	12	10	100

## Sleeves for round compacted conductors DIN

for multiple-wire, thinned, compacted conductors  
(e.g. VDE 0295 Kl. 2)



Art. No.	CSS	PU	PrU
290561	16	100	100
290562	25	100	100
290563	35	100	100
290564	50	50	100
290565	70	50	100
290566	95	50	100
290567	120	50	100
290568	150	25	100
290569	185	25	100
290570	240	25	100
290571	300	5	100
290572	400	5	100

## Angled cable lugs 90° acc. to DIN 46325

**Cu** **DIN**

- Material: 99,9% E-Cu DIN 40500
- Tube dimension acc. to DIN 46235
- Surface: tin-plated



Art. No.	CSS	M	I/no.	PU	PrU
291700	6	5	5	100	100
291702 *		6	5	100	100
291704	10	5	6	100	100
291706		6	6	100	100
291708		8	6	100	100
291710	16	6	8	50	100
291712 *		8	8	50	100
291714		10	8	50	100
291716		12	8	50	100
291718	25	6	10	50	100
291720 *		8	10	50	100
291722		10	10	50	100
291724		12	10	50	100
291726 *	35	8	12	25	100
291728		10	12	25	100
291730		12	12	25	100
291732	50	8	14	25	100
291734 *		10	14	20	100
291736		12	14	20	100
291738		16	14	20	100
291740	70	8	16	30	100
291742 *		10	16	30	100
291744		12	16	15	100
291746		16	16	30	100
291748	95	10	18	10	100
291750		12	18	10	100
291752		16	18	10	100
291754	120	10	20	20	100
291756 *		12	20	20	100
291758		16	20	20	100
291760		20	20	15	100
291762	150	10	22	15	100
291764 *		12	22	15	100
291766		16	22	15	100
291768		20	22	10	100
291770	185	10	25	10	100
291772		12	25	10	100
291774		16	25	10	100
291776		20	25	10	100
291778	240	12	28	10	100
291780		16	28	10	100
291782		20	28	10	100

## Compression joints acc. to DIN 46267, Part 1 (for non-tension connections)

**Cu** **DIN**

- Material: 99.9% E-Cu DIN 40500
- Surface: bare
- With marks for correct crimping
- Annealed material for easier crimping



Art. No.	CSSI/no.	↔	PU	PrU
291521	<b>6</b>	5	30	100
291523	<b>10</b>	6	30	100
291525	<b>16</b>	8	50	100
291527	<b>25</b>	10	50	100
291529	<b>35</b>	12	50	100
291531	<b>50</b>	14	55	100
291533	<b>70</b>	16	55	100
291535	<b>95</b>	18	70	100
291537	<b>120</b>	20	70	100
291539	<b>150</b>	22	80	100
291541	<b>185</b>	25	85	100
291543	<b>240</b>	28	90	100
291545	<b>300</b>	32	100	100
291547	<b>400</b>	38	150	100
291549	<b>500</b>	42	160	100
291551	<b>625</b>	44	160	100
291553	<b>800</b>	52	200	100
291555	<b>1000</b>	58	1000	100

## Nickel terminals

### Tubular cable lugs of pure nickel, ring type

**Ni**

- Material: nickel
- temperature resistant to 500° C



Art. No.	CSS	M	PU	PrU
292560	<b>0,5</b>	4	100	100
292562		5	100	100
292564	<b>1,5</b>	4	100	100
292566		5	100	100
292568		6	100	100
292570	<b>4</b>	4	100	100
292572		5	100	100
292574		6	100	100

### Tubular terminals of pure nickel, forke type

**Ni**

- Material: nickel
- temperature resistant to 500° C



Art. No.	CSS	M	PU	PrU
292580	<b>0,5-1,0</b>	4	100	100
292582		5	100	100
292584	<b>1,5-2,5</b>	4	100	100
292586		5	100	100
292588		6	100	100
292590	<b>4-6,0</b>	4	100	100
292592		5	100	100

## Butt-connectors, made from pure nickel

**Ni**

- Material: nickel
- temperature resistant to 500° C



Art. No.	CSS	↔	PU	PrU
292596	<b>0,5 - 1</b>	15	100	100
292598	<b>1,5 - 2,5</b>	15	100	100
292600	<b>4 - 6</b>	15	100	100

## Pressing terminals and connectors

### Aluminium tubular cable lugs, standard series

**Al**

- Material: E-Al 99,5%
- Surface: bare
- including contact grease



Art. No.	CSS	M	PU	PrU
294500	<b>16</b>	6	50	100
294502		8	50	100
294504		10	50	100
294506	<b>25</b>	6	50	100
294508		8	50	100
294510		10	50	100
294512	<b>35</b>	8	50	100
294514		10	50	100
294516	<b>50</b>	8	50	100
294518		10	50	100
294520		12	50	100
294522		16	50	100
294524	<b>70</b>	8	50	100
294526		10	50	100
294528		12	50	100
294530		16	50	100
294532	<b>95</b>	10	20	100
294534		12	20	100
294536		16	20	100
294538	<b>120</b>	8	20	100
294540		10	20	100
294542		12	20	100
294544		14	20	100
294546	<b>150</b>	8	20	100
294548		10	20	100
294550		12	20	100
294552		16	20	100
294554	<b>185</b>	8	20	100
294556		10	20	100
294558		12	20	100
294560		16	20	100
294562	<b>240</b>	8	20	100
294564		10	20	100
294566		12	20	100
294568		14	20	100
294570		16	20	100

## Butt-connectors, made from pure nickel

**Al**

- Material: nickel
- temperature resistant to 500° C



Art. No.	CSS	PU	PrU
294580	<b>16</b>	50	100
294582	<b>25</b>	50	100
294584	<b>35</b>	50	100
294586	<b>50</b>	50	100
294588	<b>70</b>	50	100
294590	<b>95</b>	20	100
294592	<b>120</b>	20	100
294594	<b>150</b>	20	100
294596	<b>185</b>	20	100
294598	<b>240</b>	20	100

### Al compression cable lugs

**Al** **DIN**

- Material: Al 99,5%
- Surface: bare
- Al-cables DIN 48201, part 1 and DIN EN 50182
- Pre-rounded sm/se sector shaped conductors



Art. No.	CSS	M	I/no.	PU	PrU
292904 *	<b>16</b>	8	12	50	100
292906		10	12	50	100
292908 *	<b>25</b>	8	12	50	100
292910		10	12	50	100
292912 *	<b>35</b>	10	14	50	100
292914		12	14	50	100
292916 *	<b>50</b>	10	16	50	100
292918		12	16	50	100
292920 *	<b>70</b>	10	18	40	100
292922		12	18	40	100
292924	<b>95</b>	10	22	25	100
292926 *		12	22	30	100
292928		16	22	25	100
292930 *	<b>120</b>	12	22	25	100
292932		16	22	25	100
292934 *	<b>150</b>	12	25	20	100
292936		16	25	20	100
292938		20	25	20	100
292940 *	<b>185</b>	12	28	15	100
292942		16	28	15	100
292944		20	28	15	100
292946 *	<b>240</b>	12	32	10	100
292948		16	32	12	100
292950		20	32	10	100

## Al compression cable lugs acc. to **AI** **DIN** DIN 46329

- Article number for tin-plated version e.g. 29 27 70/VZ
- Material: Al conductor, design according to DIN 48201
- extruded version
- Surface: bare



Art. No.	CSS	M	l/no.	PU	PrU
292770	<b>35</b>	10	14	50	100
292772		12	14	50	100
292774	<b>50</b>	10	16	50	100
292776		12	16	50	100
292778	<b>70</b>	10	18	25	100
292780		12	18	25	100
292782	<b>95</b>	10	22	25	100
292784		12	22	25	100
292786	<b>120</b>	12	22	25	100
292788		16	22	25	100
292790	<b>150</b>	10	25	25	100
292792		12	25	25	100
292794		16	25	20	100
292796	<b>185</b>	10	28	20	100
292798		12	28	20	100
292800		16	28	20	100
292802	<b>240</b>	12	32	10	100
292804		16	32	10	100
292806		20	32	10	100
292808	<b>300</b>	12	34	10	100
292810		16	34	10	100
292812		20	34	10	100
292814	<b>400</b>	12	38	10	100
292816		16	38	10	100
292818		20	38	10	100
292820	<b>500</b>	12	44	6	100
292822		16	44	6	100
292824		20	44	6	100

## Al-Crimp connector DIN 46267 **AI** **DIN** Part 2

- Material: Al 99,5%
- Surface: bare
- Design with oil stop
- Manufactured DIN 46267, part 2
- for non-tension connections



Art. No.	CSS	l/no.	PU	PrU
293542	<b>25</b>	70	100	100
293544	<b>35</b>	85	100	100
293546	<b>50</b>	85	50	100
293548	<b>70</b>	105	50	100
293550	<b>95</b>	105	25	100
293552	<b>120</b>	105	25	100
293554	<b>150</b>	125	25	100
293556	<b>185</b>	125	20	100
293558	<b>240</b>	145	15	100

## Al and Cu cable lugs, longitudinally sealed **Al.Cu** **DIN**

- Material: Al 99,5% / E-Cu 99,9%
- Surface: bare
- With marking for correct crimping
- Barrier design with oil stop
- For pre-rounded sector shaped conductors
- For non-tension connections15



Art. No.	CSS	M	l/no.	PU	PrU
293300	<b>25</b>	8	12	50	100
293302		10	12	50	100
293304		12	12	50	100
293306	<b>35</b>	10	14	50	100
293308		12	14	50	100
293310	<b>50</b>	10	16	50	100
293312		12	16	50	100
293314	<b>70</b>	10	18	50	100
293316		12	18	50	100
293318	<b>95</b>	12	22	25	100
293320		16	22	25	100
293322	<b>120</b>	12	22	25	100
293324		16	22	25	100
293326	<b>150</b>	12	25	25	100
293328		16	25	25	100
293330	<b>185</b>	12	28	10	100
293332		16	28	10	100
293334	<b>240</b>	12	32	5	100
293336		20	32	5	100
293338	<b>300</b>	12	34	5	100

## Al/Cu non-tension compression joints with Cu bolt **Al.Cu** **DIN**

- Material: Al 99,5% E-Cu 99,9%
- Surface: bare
- For non-tension connections



Art. No.	CSS	ØBo.	l/no.	PU	PrU
293960	<b>25</b>	6	58	1	100
293962	<b>35</b>	7	71	1	100
293964	<b>50</b>	8	74	1	100
293966	<b>70</b>	10	87	1	100
293968	<b>95</b>	12	91	1	100
293970	<b>120</b>	12	97	1	100
293972	<b>150</b>	12	108	1	100
293974	<b>185</b>	14	116	1	100
293976	<b>240</b>	16	128	1	100
293978	<b>300</b>	18	131	1	100

## Al-Cu reducing connectors **Al.Cu** **DIN**

- for connections with tension relief of Al/Cu conductors to DIN 28201
- Material: Al 99,5%, DIN 40501, E-Cu DIN 40500
- Surface: bare pickled



Art. No.	CSS	Cu	l/no.	PU	PrU
293578	<b>25</b>	16	61	10	100
293582	<b>35</b>	16	71	10	100
293584		25	71	10	100
293598	<b>50</b>	25	71,5	10	100
293600		35	71,5	10	100
293606	<b>70</b>	25	79	10	100
293608		35	79	10	100
293610		50	85	10	100
293622	<b>95</b>	35	79	5	100
293624		50	85	5	100
293626		70	87	5	100
293634	<b>120</b>	50	87	5	100
293636		70	89	5	100
293638		95	97	5	100
293652	<b>150</b>	95	107,5	5	100
293654		120	107,5	5	100
293656		150	124	5	100
293664	<b>185</b>	185	108	5	100
293666		150	113	5	100
293678	<b>240</b>	150	124	5	100
293680		185	127	5	100
293688	<b>300</b>	185	128	5	100
293690		240	128	5	100

## Cupul washer **Al.Cu**

Compound material made from aluminium and copper



Art. No.	Ø	ST	PU	PrU
293810	10	1,5	50	100
293812	12	2	50	100
293814	14	2	50	100
293816	16	2	50	100