

# A...

## Ferrules Without Insulating Collar According to DIN 46228-1



### CLIPLINE

Data Sheet  
103088\_00\_en

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### Description

A... ferrules without insulating collar are made from soft electrolytic copper (E-CU) with tin plating. The dimensions of the ferrules correspond to DIN 46228-1.

The ferrules enable correct crimping using appropriate crimping tools from Phoenix Contact.



Make sure you always use the latest documentation.  
It can be downloaded at [www.download.phoenixcontact.com](http://www.download.phoenixcontact.com).  
A conversion table is available on the Internet at  
[www.download.phoenixcontact.com/general/7000\\_en\\_00.pdf](http://www.download.phoenixcontact.com/general/7000_en_00.pdf).



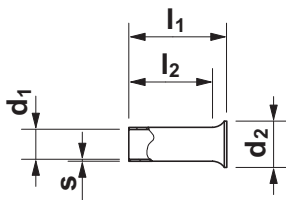
This data sheet is valid for all products listed on the following page:

## Dimensions and Ordering Data

### Ferrules Without Insulating Collar According to DIN 46228-1

Cross Section	$l_1$	$l_2$	$d_1$	s	$d_2$	Type	Order No.	Pcs./Pck.
0.25 mm <sup>2</sup>	5.0 mm	-	0.8 mm	0.15 mm	1.7 mm	A 0,25- 5 <sup>1</sup>	3202465	1000
0.25 mm <sup>2</sup>	7.0 mm	-	0.8 mm	0.15 mm	1.7 mm	A 0,25- 7 <sup>1</sup>	3202478	1000
0.34 mm <sup>2</sup>	7.0 mm	-	0.9 mm	0.15 mm	1.8 mm	A 0,34- 7 <sup>1</sup>	3009202	1000
0.5 mm <sup>2</sup>	6.0 mm	5.3 mm	1.0 mm	0.15 mm	2.1 mm	A 0,5 - 6	3200218	1000
0.5 mm <sup>2</sup>	8.0 mm	7.3 mm	1.0 mm	0.15 mm	2.1 mm	A 0,5 - 8 <sup>1</sup>	3202481	1000
0.5 mm <sup>2</sup>	10.0 mm	9.3 mm	1.0 mm	0.15 mm	2.1 mm	A 0,5 -10	3202494	1000
0.75 mm <sup>2</sup>	6.0 mm	5.3 mm	1.2 mm	0.15 mm	2.3 mm	A 0,75- 6	3200221	1000
0.75 mm <sup>2</sup>	8.0 mm	7.3 mm	1.2 mm	0.15 mm	2.3 mm	A 0,75- 8 <sup>1</sup>	3202504	1000
0.75 mm <sup>2</sup>	10.0 mm	9.3 mm	1.2 mm	0.15 mm	2.3 mm	A 0,75-10	3200234	1000
1 mm <sup>2</sup>	6.0 mm	5.3 mm	1.4 mm	0.15 mm	2.5 mm	A 1 - 6	3200247	1000
1 mm <sup>2</sup>	8.0 mm	7.3 mm	1.4 mm	0.15 mm	2.5 mm	A 1 - 8 <sup>1</sup>	3202517	1000
1 mm <sup>2</sup>	10.0 mm	9.3 mm	1.4 mm	0.15 mm	2.5 mm	A 1 -10	3200250	1000
1.5 mm <sup>2</sup>	7.0 mm	6.0 mm	1.7 mm	0.15 mm	2.8 mm	A 1,5 - 7	3200263	1000
1.5 mm <sup>2</sup>	10.0 mm	9.0 mm	1.7 mm	0.15 mm	2.8 mm	A 1,5 -10	3200276	1000
1.5 mm <sup>2</sup>	12.0 mm	11.0 mm	1.7 mm	0.15 mm	2.8 mm	A 1,5 -12	3202588	1000
1.5 mm <sup>2</sup>	15.0 mm	14.0 mm	1.7 mm	0.15 mm	2.8 mm	A 1,5 -15	3202591	1000
1.5 mm <sup>2</sup>	18.0 mm	17.0 mm	1.7 mm	0.15 mm	2.8 mm	A 1,5 -18	3202601	1000
2.5 mm <sup>2</sup>	7.0 mm	6.0 mm	2.2 mm	0.15 mm	3.4 mm	A 2,5 - 7	3200289	1000
2.5 mm <sup>2</sup>	12.0 mm	11.0 mm	2.2 mm	0.15 mm	3.4 mm	A 2,5 -12	3200292	1000
2.5 mm <sup>2</sup>	18.0 mm	17.0 mm	2.2 mm	0.15 mm	3.4 mm	A 2,5 -18	3202821	1000
4 mm <sup>2</sup>	9.0 mm	8.0 mm	2.8 mm	0.2 mm	4.0 mm	A 4 - 9	3200302	1000
4 mm <sup>2</sup>	12.0 mm	11.0 mm	2.8 mm	0.2 mm	4.0 mm	A 4 -12	3200315	1000
4 mm <sup>2</sup>	18.0 mm	17.0 mm	2.8 mm	0.2 mm	4.0 mm	A 4 -18	3202834	1000
6 mm <sup>2</sup>	10.0 mm	9.0 mm	3.5 mm	0.2 mm	4.7 mm	A 6 -10	3202520	500
6 mm <sup>2</sup>	12.0 mm	11.0 mm	3.5 mm	0.2 mm	4.7 mm	A 6 -12	3200328	500
10 mm <sup>2</sup>	12.0 mm	11.8 mm	4.5 mm	0.2 mm	5.8 mm	A 10 -12	3200331	500
10 mm <sup>2</sup>	18.0 mm	16.8 mm	4.5 mm	0.2 mm	5.8 mm	A 10 -18	3200344	500
16 mm <sup>2</sup>	12.0 mm	10.5 mm	5.8 mm	0.2 mm	7.5 mm	A 16 -12 <sup>1</sup>	3200425	100
25 mm <sup>2</sup>	12.0 mm	10.0 mm	7.3 mm	0.2 mm	9.5 mm	A 25 -12	3200357	100
25 mm <sup>2</sup>	15.0 mm	13.0 mm	7.3 mm	0.2 mm	9.5 mm	A 25 -15	3200360	100
25 mm <sup>2</sup>	18.0 mm	16.0 mm	7.3 mm	0.2 mm	9.5 mm	A 25 -18	3200373	100
25 mm <sup>2</sup>	20.0 mm	18.0 mm	7.3 mm	0.2 mm	9.5 mm	A 25 -20 <sup>1</sup>	3200386	100
35 mm <sup>2</sup>	18.0 mm	16.0 mm	8.3 mm	0.2 mm	11.0 mm	A 35 -18	3200399	100
35 mm <sup>2</sup>	20.0 mm	18.0 mm	8.3 mm	0.2 mm	11.0 mm	A 35 -20 <sup>1</sup>	3200409	100

<sup>1</sup> These ferrules are not included in DIN 46228-1.



- $l_1$  = Total length
- $l_2$  = Sleeve length
- $d_1$  = Inside diameter of sleeve
- s = Wall thickness of sleeve
- $d_2$  = Inside diameter of collar

Figure 1 Dimensions (tolerances according to DIN 46228-1)