AI…



Ferrules With Insulating Collar According to DIN 46228-4

CLIPLINE

Data Sheet
103090_00_en

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Description

A special feature of **AI…** ferrules with insulating collar is that the closer the connections are, the more reliable the insulation is and the less likely the wires are to splice. The dimensions of the ferrules correspond to DIN 46228-4.

The metal insulating sleeve is made from a soft electrolytic copper (E-CU) with tin plating, which ensures optimum connection when crimped with the appropriate Phoenix Contact tools.

The insulating collar made from polypropylene, which is resistant to extreme heat, insulates and simplifies fitting onto the wire without having to splice the individual litz wires. The cross section sizes are color coded. They are listed according to DIN 46228-4, Weidmüller standard, and French standard NF C 63-023.

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A conversion table is available on the Internet at
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 With Insulating Collar According to DIN 46228-4

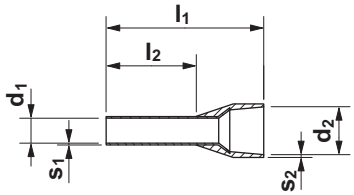
Cross Section	l_1	l_2	d_1	s_1	d_2	s_2	Color	Color Code[1]	Type	Order No.	Pcs./Pck.
0.14 mm²	12.5 mm	8.0 mm	0.8 mm	0.15 mm	1.8 mm	0.25 mm	Gray	–	AI 0,14- 8 GY -1000[2]	3203011	1000
0.25 mm²	10.5 mm	6.0 mm	0.8 mm	0.15 mm	1.8 mm	0.25 mm	Blue	–	AI 0,25- 6 BU[2]	3203040	100
0.25 mm²	10.5 mm	6.0 mm	0.8 mm	0.15 mm	1.8 mm	0.25 mm	Yellow	–	AI 0,25- 6 YE[2]	3203024	100
0.25 mm²	12.5 mm	8.0 mm	0.8 mm	0.15 mm	1.8 mm	0.25 mm	Yellow	–	AI 0,25- 8 YE[2]	3203037	100
0.34 mm²	10.5 mm	6.0 mm	0.8 mm	0.15 mm	1.8 mm	0.25 mm	Turquoise	–	AI 0,34-6 TQ[2]	3203053	100
0.34 mm²	10.5 mm	8.0 mm	0.8 mm	0.15 mm	1.8 mm	0.25 mm	Turquoise	–	AI 0,34-8 TQ[2]	3203066	100
0.5 mm²	12.0 mm	6.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	Orange	W	AI 0,5 - 6 OG	3201301	100
0.5 mm²	12.0 mm	6.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	White	DIN/NF	AI 0,5 - 6 WH	3200687	100
0.5 mm²	14.0 mm	8.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	Orange	W	AI 0,5 - 8 OG	3201123	100
0.5 mm²	14.0 mm	8.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	Orange	W	AI 0,5 - 8 OG-1000	3202902	1000
0.5 mm²	14.0 mm	8.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	White	DIN/NF	AI 0,5 - 8 WH	3200014	100
0.5 mm²	14.0 mm	8.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	White	DIN/NF	AI 0,5 - 8 WH -1000	3200881	1000
0.5 mm²	16.0 mm	10.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	White	DIN/NF	AI 0,5 -10 WH	3201275	100
0.5 mm²	16.0 mm	10.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	White	DIN/NF	AI 0,5 -10 WH-1000	3203105	1000
0.5 mm²	18.0 mm	12.0 mm	1.1 mm	0.15 mm	2.5 mm	0.3 mm	White	DIN/NF	AI 0,5 -12 WH[2]	3200506	100
0.75 mm²	12.0 mm	6.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	Gray	DIN	AI 0,75- 6 GY	3200690	100
0.75 mm²	12.0 mm	6.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	White	W	AI 0,75- 6 WH	3201314	100
0.75 mm²	14.0 mm	8.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	Blue	NF	AI 0,75- 8 BU	3200027	100
0.75 mm²	14.0 mm	8.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	Gray	DIN	AI 0,75- 8 GY	3200519	100
0.75 mm²	14.0 mm	8.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	Gray	DIN	AI 0,75- 8 GY -1000	3200894	1000
0.75 mm²	14.0 mm	8.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	White	W	AI 0,75- 8 WH	3201110	100
0.75 mm²	16.0 mm	10.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	Gray	DIN	AI 0,75-10 GY	3201288	100
0.75 mm²	16.0 mm	10.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	Gray	DIN	AI 0,75-10 GY-1000	3203118	1000
0.75 mm²	18.0 mm	12.0 mm	1.3 mm	0.15 mm	2.8 mm	0.3 mm	Gray	DIN	AI 0,75-12 GY	3200849	100
1 mm²	12.5 mm	6.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Red	DIN/NF	AI 1 - 6 RD	3200742	100
1 mm²	12.5 mm	6.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Yellow	W	AI 1 - 6 YE	3201327	100
1 mm²	14.5 mm	8.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Red	DIN/NF	AI 1 - 8 RD	3200030	100
1 mm²	14.5 mm	8.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Red	DIN/NF	AI 1 - 8 RD -1000	3200904	1000
1 mm²	14.5 mm	8.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Yellow	W	AI 1 - 8 YE	3201097	100
1 mm²	14.5 mm	8.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Yellow	W	AI 1 - 8 YE-1000	3202915	1000
1 mm²	16.5 mm	10.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Red	DIN/NF	AI 1 -10 RD	3200182	100
1 mm²	16.5 mm	10.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Red	DIN/NF	AI 1 -10 RD-1000	3203121	1000
1 mm²	18.5 mm	12.0 mm	1.5 mm	0.15 mm	3.0 mm	0.3 mm	Red	DIN/NF	AI 1 -12 RD	3200674	100
1.5 mm²	12.5 mm	6.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Black	DIN/NF	AI 1,5 - 6 BK[2]	3200755	100
1.5 mm²	14.5 mm	8.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Black	DIN/NF	AI 1,5 - 8 BK	3200043	100
1.5 mm²	14.5 mm	8.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Black	DIN/NF	AI 1,5 - 8 BK -1000	3200917	1000
1.5 mm²	14.5 mm	8.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Red	W	AI 1,5 - 8 RD	3201136	100
1.5 mm²	14.5 mm	8.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Red	W	AI 1,5 - 8 RD-1000	3202928	1000
1.5 mm²	16.5 mm	10.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Black	DIN/NF	AI 1,5 -10 BK	3200195	100
1.5 mm²	16.5 mm	10.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Black	DIN/NF	AI 1,5 -10 BK-1000	3203134	1000
1.5 mm²	18.5 mm	12.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Black	DIN/NF	AI 1,5 -12 BK	3201482	100
1.5 mm²	24.5 mm	18.0 mm	1.8 mm	0.15 mm	3.4 mm	0.3 mm	Black	DIN/NF	AI 1,5 -18 BK	3200056	100
2.5 mm²	15.0 mm	8.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Blue	DIN/W	AI 2,5 - 8 BU	3200522	100
2.5 mm²	15.0 mm	8.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Blue	DIN/W	AI 2,5 - 8 BU -1000	3200920	1000
2.5 mm²	15.0 mm	8.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Gray	NF	AI 2,5 - 8 GY	3200069	100
2.5 mm²	17.0 mm	10.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Blue	DIN/W	AI 2,5 -10 BU[2]	3202533	100
2.5 mm²	17.0 mm	10.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Blue	DIN/W	AI 2,5 -10 BU-1000[2]	3203147	1000
2.5 mm²	19.0 mm	12.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Blue	DIN/W	AI 2,5 -12 BU	3200962	100
2.5 mm²	19.0 mm	12.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Gray	NF	AI 2,5 -12 GY	3200205	100

Ferrules With Insulating Collar According to DIN 46228-4 (Continued)

Cross Section	l_1	l_2	d_1	s_1	d_2	s_2	Color	Color Code[1]	Type	Order No.	Pcs./Pck.
2.5 mm²	25.0 mm	18.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Blue	DIN/W	AI 2,5 -18 BU	3200580	100
2.5 mm²	25.0 mm	18.0 mm	2.3 mm	0.15 mm	4.2 mm	0.3 mm	Gray	NF	AI 2,5 -18 GY	3200072	100
4 mm²	17.5 mm	10.0 mm	2.9 mm	0.2 mm	4.7 mm	0.3 mm	Gray	DIN/W	AI 4 -10 GY	3200535	100
4 mm²	17.5 mm	10.0 mm	2.9 mm	0.2 mm	4.7 mm	0.3 mm	Orange	NF	AI 4 -10 OG	3200085	100
4 mm²	19.5 mm	12.0 mm	2.9 mm	0.2 mm	4.7 mm	0.3 mm	Gray	DIN/W	AI 4 -12 GY	3200959	100
4 mm²	19.5 mm	12.0 mm	2.9 mm	0.2 mm	4.7 mm	0.3 mm	Orange	NF	AI 4 -12 OG	3200438	100
4 mm²	22.5 mm	18.0 mm	2.9 mm	0.2 mm	4.7 mm	0.3 mm	Gray	DIN/W	AI 4 -18 GY	3200593	100
4 mm²	22.5 mm	18.0 mm	2.9 mm	0.2 mm	4.7 mm	0.3 mm	Orange	NF	AI 4 -18 OG	3200098	100
6 mm²	20.0 mm	12.0 mm	3.6 mm	0.2 mm	6.2 mm	0.3 mm	Black	W	AI 6 -12 BK	3201107	100
6 mm²	20.0 mm	12.0 mm	3.6 mm	0.2 mm	6.2 mm	0.3 mm	Green	NF	AI 6 -12 GN	3200108	100
6 mm²	20.0 mm	12.0 mm	3.6 mm	0.2 mm	6.2 mm	0.3 mm	Yellow	DIN	AI 6 -12 YE	3200548	100
6 mm²	26.0 mm	18.0 mm	3.6 mm	0.2 mm	6.2 mm	0.3 mm	Green	NF	AI 6 -18 GN	3200111	100
6 mm²	26.0 mm	18.0 mm	3.6 mm	0.2 mm	6.2 mm	0.3 mm	Yellow	DIN	AI 6 -18 YE	3200603	100
10 mm²	21.0 mm	12.0 mm	4.6 mm	0.2 mm	7.5 mm	0.3 mm	Brown	NF	AI 10 -12 BN	3200124	100
10 mm²	21.0 mm	12.0 mm	4.6 mm	0.2 mm	7.5 mm	0.3 mm	Ivory	W	AI 10 -12 IV	3201068	100
10 mm²	21.0 mm	12.0 mm	4.6 mm	0.2 mm	7.5 mm	0.3 mm	Red	DIN	AI 10 -12 RD	3200551	100
10 mm²	27.0 mm	18.0 mm	4.6 mm	0.2 mm	7.5 mm	0.3 mm	Brown	NF	AI 10 -18 BN	3200137	100
10 mm²	27.0 mm	18.0 mm	4.6 mm	0.2 mm	7.5 mm	0.3 mm	Red	DIN	AI 10 -18 RD	3200616	100
16 mm²	23.0 mm	12.0 mm	6.0 mm	0.2 mm	8.7 mm	0.5 mm	Blue	DIN	AI 16 -12 BU	3200564	100
16 mm²	23.0 mm	12.0 mm	6.0 mm	0.2 mm	8.7 mm	0.5 mm	Green	W	AI 16 -12 GN	3201152	100
16 mm²	23.0 mm	12.0 mm	6.0 mm	0.2 mm	8.7 mm	0.5 mm	Ivory	NF	AI 16 -12 IV	3201181	100
16 mm²	23.0 mm	12.0 mm	6.0 mm	0.2 mm	8.7 mm	0.5 mm	White	–	AI 16 -12 WH	3200140	100
16 mm²	29.0 mm	18.0 mm	6.0 mm	0.2 mm	8.7 mm	0.5 mm	Blue	DIN	AI 16 -18 BU	3200629	100
16 mm²	29.0 mm	18.0 mm	6.0 mm	0.2 mm	8.7 mm	0.5 mm	Green	W	AI 16 -18 GN	3201330	100
16 mm²	29.0 mm	18.0 mm	6.0 mm	0.2 mm	8.7 mm	0.5 mm	White	–	AI 16 -18 WH	3200153	100
25 mm²	29.0 mm	16.0 mm	7.5 mm	0.2 mm	10.8 mm	0.5 mm	Black	NF	AI 25 -16 BK	3200412	50
25 mm²	29.0 mm	16.0 mm	7.5 mm	0.2 mm	10.8 mm	0.5 mm	Brown	W	AI 25 -16 BN	3201084	100
25 mm²	29.0 mm	16.0 mm	7.5 mm	0.2 mm	10.8 mm	0.5 mm	Yellow	DIN	AI 25 -16 YE	3200577	50
25 mm²	31.0 mm	18.0 mm	7.5 mm	0.2 mm	10.8 mm	0.5 mm	Yellow	DIN	AI 25 -18 YE	3201505	50
25 mm²	35.0 mm	22.0 mm	7.5 mm	0.2 mm	10.8 mm	0.5 mm	Black	NF	AI 25 -22 BK	3200739	50
25 mm²	35.0 mm	22.0 mm	7.5 mm	0.2 mm	10.8 mm	0.5 mm	Yellow	DIN	AI 25 -22 YE	3200700	50
35 mm²	30.0 mm	16.0 mm	8.5 mm	0.2 mm	12.3 mm	0.6 mm	Beige	W	AI 35 -16 BE	3201071	50
35 mm²	30.0 mm	16.0 mm	8.5 mm	0.2 mm	12.3 mm	0.6 mm	Red	DIN/NF	AI 35 -16 RD	3200441	50
35 mm²	32.0 mm	18.0 mm	8.5 mm	0.2 mm	12.3 mm	0.6 mm	Red	DIN/NF	AI 35 -18 RD	3201495	50
35 mm²	39.0 mm	25.0 mm	8.5 mm	0.2 mm	12.3 mm	0.6 mm	Red	DIN/NF	AI 35 -25 RD	3200713	50
50 mm²	36.0 mm	20.0 mm	10.5 mm	0.3 mm	15.0 mm	0.6 mm	Blue	DIN/NF	AI 50 -20 BU	3200454	50
50 mm²	36.0 mm	20.0 mm	10.5 mm	0.3 mm	15.0 mm	0.6 mm	Olive	W	AI 50 -20 OL	3201178	50
50 mm²	41.0 mm	25.0 mm	10.5 mm	0.3 mm	15.0 mm	0.6 mm	Blue	DIN/NF	AI 50 -25 BU	3200726	25
70 mm²	37.0 mm	20.0 mm	12.7 mm	0.4 mm	15.8 mm	0.7 mm	Yellow	DIN	AI 70 -20 YE[2]	3201848	25
95 mm²	44.0 mm	25.0 mm	14.5 mm	0.4 mm	18.0 mm	0.6 mm	Red	DIN	AI 95 -25 RD[2]	3201853	25
120 mm²	48.0 mm	27.0 mm	16.5 mm	0.5 mm	21.0 mm	0.7 mm	Blue	DIN	AI120 -27 BU[2]	3201822	25

[1] DIN = Color code according to DIN 46228-4; W = Color code according to Weidmüller standard; NF = Color code according to NF C 63-023

[2] These ferrules are not included in DIN 46228-4.



l_1 = Total length
l_2 = Sleeve length
d_1 = Inside diameter of sleeve
s_1 = Wall thickness of sleeve
d_2 = Inside diameter of insulating collar
s_2 = Wall thickness of insulating collar

Figure 1 Dimensions (tolerances according to DIN 46228-4)

Assortment Boxes

Description	Type	Order No.	Pcs./Pck.
Assortment box, red, color coding according to DIN Comprises: 50 pcs. each of AI 0,5-8 WH, AI 2,5-8 BU, 100 pcs. each of AI 0,75-8 GY, AI 1-8 RD, AI 1,5-8 BK	AI-TWIN SORTI BOX RD	3202960	1
Assortment box, anthracite, color coding according to DIN Comprises: 50 pcs. each of AI 4-10 GY, 20 pcs. each of AI 6-12 YE, AI 10-12 RD, 10 pcs. each of AI 16-12 BU	AI-TWIN SORTI BOX ANT	3202973	1

Technical Data

General Data

Material	
Collar	Polypropylene PP (UL94 HB), heat resistant up to 105°C
Sleeve	E-CU, tin-plated surface

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Стандарт Электрон Связь

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С нами вы становитесь еще успешнее!

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