AI-TWIN...

Ferrules with insulating collar for two wires



Data sheet
103091_en_02

© PHOENIX CONTACT 2019-05-09

1 Description

AI-TWIN... ferrules enable practical crimping of two wires in a ferrule. Chain bridges can be easily implemented using these ferrules.

Different versions of the individual TWIN ferrules are available for individual applications. The color coding of the individual cross sections corresponds to DIN 46228-4.

Make sure you always use the latest documentation.
It can be downloaded at phoenixcontact.net/products.

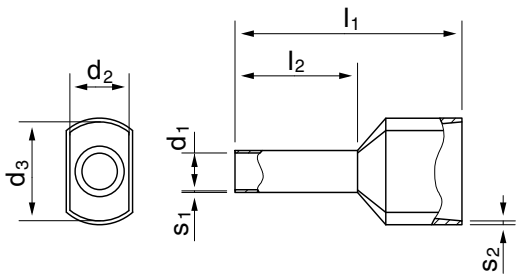
This data sheet is valid for all products listed on the following page:

2 Dimensions and ordering data

Ferrules with insulating collar for two wires

Cross section	l_1	l_2	d_1	s_1	d_2	d_3	s_2	Color	Type	Order No.	Pcs./ Pck.
2 x 0.5 mm²	15.0 mm	8.0 mm	1.5 mm	0.15 mm	2.5 mm	4.6 mm	0.25 mm	White	AI-TWIN 2X 0,5 - 8 WH	3200933	100
2 x 0.75 mm²	15.0 mm	8.0 mm	1.8 mm	0.15 mm	2.7 mm	5.2 mm	0.3 mm	Gray	AI-TWIN 2X 0,75- 8 GY	3200807	100
2 x 0.75 mm²	15.0 mm	8.0 mm	1.8 mm	0.15 mm	2.7 mm	5.2 mm	0.3 mm	Blue[1]	AI-TWIN 2X 0,75- 8 BU	3240668	100
2 x 0.75 mm²	17.0 mm	10.0 mm	1.8 mm	0.15 mm	2.7 mm	5.2 mm	0.3 mm	Gray	AI-TWIN 2X 0,75-10 GY	3200975	100
2 x 1 mm²	15.0 mm	8.0 mm	2.05 mm	0.15 mm	3.4 mm	5.2 mm	0.35 mm	Red	AI-TWIN 2X 1 - 8 RD	3200810	100
2 x 1 mm²	17.0 mm	10.0 mm	2.05 mm	0.15 mm	3.4 mm	5.2 mm	0.35 mm	Red	AI-TWIN 2X 1 -10 RD	3200988	100
2 x 1 mm²	19.0 mm	12.0 mm	2.05 mm	0.15 mm	3.4 mm	5.2 mm	0.35 mm	Red	AI-TWIN 2X 1 -12 RD	3240679	100
2 x 1.5 mm²	16.0 mm	8.0 mm	2.3 mm	0.15 mm	3.5 mm	6.4 mm	0.35 mm	Black	AI-TWIN 2X 1,5 - 8 BK	3200823	100
2 x 1.5 mm²	18.0 mm	10.0 mm	2.3 mm	0.15 mm	3.5 mm	6.4 mm	0.35 mm	Black	AI-TWIN 2X 1,5 -10 BK	3201534	100
2 x 1.5 mm²	20.0 mm	12.0 mm	2.3 mm	0.15 mm	3.5 mm	6.4 mm	0.35 mm	Black	AI-TWIN 2X 1,5 -12 BK	3200991	100
2 x 2.5 mm²	18.5 mm	10.0 mm	2.9 mm	0.2 mm	4.1 mm	7.5 mm	0.35 mm	Blue	AI-TWIN 2X 2,5 -10 BU	3200836	100
2 x 2.5 mm²	18.5 mm	10.0 mm	2.9 mm	0.2 mm	4.1 mm	7.5 mm	0.35 mm	Gray[1]	AI-TWIN 2X 2,5 -10 GY	3240669	100
2 x 2.5 mm²	21.5 mm	13.0 mm	2.9 mm	0.2 mm	4.1 mm	7.5 mm	0.35 mm	Blue	AI-TWIN 2X 2,5 -13 BU	3200878	100
2 x 4 mm²	23.0 mm	12.0 mm	3.8 mm	0.2 mm	4.8 mm	8.5 mm	0.4 mm	Gray	AI-TWIN 2X 4 -12 GY	3201000	100
2 x 6 mm²	25.0 mm	14.0 mm	4.6 mm	0.2 mm	5.8 mm	9.6 mm	0.5 mm	Yellow	AI-TWIN 2X 6 -14 YE	3201013	100
2 x 10 mm²	26.0 mm	14.0 mm	6.5 mm	0.2 mm	7.0 mm	12.6 mm	0.6 mm	Red	AI-TWIN 2X10 -14 RD	3201026	100
2 x 16 mm²	31.0 mm	16.0 mm	8.5 mm	0.2 mm	8.8 mm	16.6 mm	0.6 mm	Blue	AI-TWIN 2X16 -16 BU	3202847	50

[1] Color code according to NF C 63-023



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
d_3 = 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, rectangular, blue, Comprises: 50 pcs. each of AI-TWIN 2X0,5-8 WH, AI-TWIN 2X0,75-8 GY, AI-TWIN 2X1-8 RD, AI-TWIN 2X1,5-8 BK, 25 pcs. of AI-TWIN 2X2,5-10 BU	AI-TWIN SORTI BOX BU	3202986	1
Assortment box, rectangular, gray, Comprises: 20 pcs. of AI-TWIN 2X 4-12 GY, 10 pcs. each of AI-TWIN 2X6-14 YE, AI-TWIN 2X10-14 RD	AI-TWIN SORTI BOX GY	3202999	1
Assortment box, round, clear, Comprises: 50 pcs. each of AI-TWIN 2X 0,75-8 GY, AI-TWIN 2X 1-8 RD, AI-TWIN 2X 1,5-8 BK, AI-TWIN 2X 2,5-10 BU	AI-TWIN-SORTI-BOX I	3200946	1
Assortment box, round, clear, Comprises: 30 pcs. each of AI-TWIN 2 x 1,5-8 BK, AI-TWIN 2X 2,5-10 BU, AI-TWIN 2X 4-12 GY, 10 pcs of AI-TWIN 2X 6-14 YE	AI-TWIN-SORTI-BOX II	3201039	1

3 Technical data

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