

AI-TWIN 2X 1,5 -12 BK - Ferrule

3200991

<https://www.phoenixcontact.com/us/products/3200991>



Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.

Ferrule, Length contact range: 12 mm, sleeve length: 20 mm, color: black



Your advantages

- These special ferrules allow chain bridges to be set up with ease
- The TWIN ferrules provide a practical way of crimping two conductors in one ferrule
- Different versions of the individual TWIN ferrules can be selected for specific applications

Commercial data

Item number	3200991
Packing unit	100 pc
Minimum order quantity	100 pc
Sales key	BH34
Product key	BH3413
GTIN	4017918094546
Weight per piece (including packing)	0.231 g
Weight per piece (excluding packing)	0.227 g
Customs tariff number	85369010
Country of origin	DE

AI-TWIN 2X 1,5 -12 BK - Ferrule

3200991

<https://www.phoenixcontact.com/us/products/3200991>



Technical data

Product properties

Product type	Cable end sleeve
Conductor category	stranded conductors, class 2, 5, 6 / B, C, K, M
Product property	UL certified Made from soft tin-plated electrolytic copper Correspond to the requirements of UL 486F Plastic collar made of polypropylene Halogen-free Long/short-term temperature: +105°C/+120°C

Connection data

Conductor connection

Conductor cross-section flexible max.	1.5 mm ²
Conductor cross-section AWG max.	16
Stripping length	16 mm

Dimensions

Dimensional drawing	
Sleeve length	20 mm
Length contact range	12 mm
Maximum stripping length	16 mm
Ferrule diameter	2.3 mm
Sleeve wall thickness	0.15 mm
Insulating collar thickness	0.3 mm
Inner dimensions of the insulating collar	3.6 mm

Material specifications

Color	black (RAL 9005)
Material	CU-DHP
Flammability rating according to UL 94	HB
Coating	galvanically tin-plated
Surface characteristics	Tin-plated
Components	free from silicone and halogen

Mechanical properties

Technical data

AI-TWIN 2X 1,5 -12 BK - Ferrule

3200991

<https://www.phoenixcontact.com/us/products/3200991>



Sleeve length	20 mm
---------------	-------

Environmental and real-life conditions

Ambient conditions

Permanent temperature	105 °C (-40 °C no load / 0 °C dynamic load)
Short-term temperature	120 °C

Standards and regulations

Design according to standard	DIN 46228-4, UL 486F-F
------------------------------	------------------------

AI-TWIN 2X 1,5 -12 BK - Ferrule

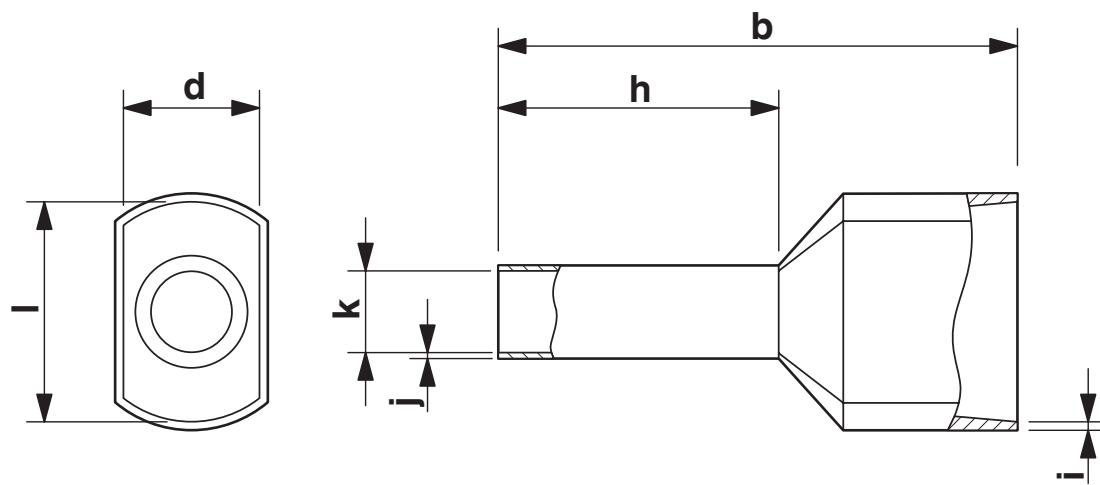


3200991

<https://www.phoenixcontact.com/us/products/3200991>

Drawings

Dimensional drawing



Sleeve length (b), length contact range (h), insulating collar inner dimension (d), sleeve diameter (k), insulating collar thickness (i), sleeve wall thickness (j)

AI-TWIN 2X 1,5 -12 BK - Ferrule

3200991

<https://www.phoenixcontact.com/us/products/3200991>



Approvals

ⓘ To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/3200991>



cULus Listed

Approval ID: E488001

AI-TWIN 2X 1,5 -12 BK - Ferrule

3200991

<https://www.phoenixcontact.com/us/products/3200991>



Classifications

ECLASS

ECLASS-13.0	27400201
ECLASS-15.0	27400201

ETIM

ETIM 9.0	EC000005
----------	----------

UNSPSC

UNSPSC 21.0	27121700
-------------	----------

AI-TWIN 2X 1,5 -12 BK - Ferrule

3200991

<https://www.phoenixcontact.com/us/products/3200991>



Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
-------------------------------------	----------------------------

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com