

AI 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



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: 18 mm, sleeve length: 26 mm, color: black

Your advantages

- In terms of dimensions, these ferrules conform to DIN 46228-4: 1990-09
- The color code of the plastic insulating collar is based on the French standard NF C 63-023: 1994-02
- The metal sleeves are made from soft tin-plated electrolytic copper

Commercial data

Item number	2100043
Packing unit	100 pc
Minimum order quantity	100 pc
Product key	BH3411
GTIN	4067923214729
Weight per piece (including packing)	0.53 g
Weight per piece (excluding packing)	0.53 g
Customs tariff number	85369010
Country of origin	DE

AI 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



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 DIN 46228-1 and UL 486F in terms of size
	Plastic collar made of polypropylene
	Halogen-free
	Long/short-term temperature: +105°C/+120°C

Connection data

Conductor connection

Conductor cross-section flexible max.	6 mm ²
Conductor cross-section AWG max.	10
Stripping length	21 mm

Dimensions

Dimensional drawing	
Sleeve length	26 mm
Length contact range	18 mm
Maximum stripping length	21 mm
Ferrule diameter	3.5 mm
Sleeve wall thickness	0.2 mm
Insulating collar thickness	0.3 mm
Inner dimensions of the insulating collar	6.2 mm

Material specifications

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

Mechanical properties

AI 6-18 BK - Ferrule



2100043

<https://www.phoenixcontact.com/pc/products/2100043>

Technical data

Sleeve length	26 mm
---------------	-------

Standards and regulations

Design according to standard	NFC 63-023
------------------------------	------------

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 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2100043>



cULus Listed

Approval ID: E488001

AI 6-18 BK - Ferrule



2100043

<https://www.phoenixcontact.com/pc/products/2100043>

Classifications

ECLASS

ECLASS-13.0	27400201
ECLASS-15.0	27400201

ETIM

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

UNSPSC

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

AI 6-18 BK - Ferrule



2100043

<https://www.phoenixcontact.com/pc/products/2100043>

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%

AI 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



Accessories

CRIMPFOX CENTRUS 6S - Crimping pliers

1213144

<https://www.phoenixcontact.com/pc/products/1213144>



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

CRIMPFOX CENTRUS 6H - Crimping pliers

1213146

<https://www.phoenixcontact.com/pc/products/1213146>



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 6 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

AI 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



CRIMPFOX CENTRUS 10S - Crimping pliers

1213154

<https://www.phoenixcontact.com/pc/products/1213154>



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 10 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

CRIMPFOX CENTRUS 10H - Crimping pliers

1213156

<https://www.phoenixcontact.com/pc/products/1213156>



Crimping pliers, for uninsulated and insulated ferrules, DIN 46228 Part 1 and 4, from 0.14 mm² ... 10 mm², also for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, lateral insertion, equipped with fall protection

AI 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



CRIMPFOX 6-M - Crimping pliers

1212720

<https://www.phoenixcontact.com/pc/products/1212720>



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

CRIMPFOX 6 - Crimping pliers

1212034

<https://www.phoenixcontact.com/pc/products/1212034>



Crimping pliers, for ferrules without insulating collar according to DIN 46228 Part 1 and ferrules with insulating collar according to DIN 46228 Part 4, 0.25 mm² ... 6.0 mm², lateral entry, trapezoidal crimp

AI 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



CRIMPFOX DUO 10 - Crimping pliers

1031721

<https://www.phoenixcontact.com/pc/products/1031721>



Crimping pliers, contact connection type: Insulated and uninsulated ferrules, standards/specifications: DIN 46228-1, DIN 46228-4, UL 486F, form A, E, F, min. cross section: 0.14 mm², max. cross section: 10 mm², for TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, rotating die, lateral and frontal insertion, compression: Trapezoidal crimp, weight 305 g, black/green

CRIMPFOX 10T-F - Crimping pliers

1134913

<https://www.phoenixcontact.com/pc/products/1134913>



Crimping pliers, contact connection type: Insulated and uninsulated ferrules, standards/specifications: DIN 46228-1, DIN 46228-4, min. cross section: 0.14 mm², max. cross section: 10 mm², For TWIN ferrules up to 2 x 4 mm², automatic cross section adjustment, frontal insertion, compression: Trapezoidal crimp, weight 302 g, black

AI 6-18 BK - Ferrule

2100043

<https://www.phoenixcontact.com/pc/products/2100043>



CRIMPFOX DUO 16S - Crimping pliers

1202877

<https://www.phoenixcontact.com/pc/products/1202877>



Crimping pliers, contact type: insulated and uninsulated ferrules, standards/regulations: DIN 46228-1, DIN 46228-4, UL 486F, Form A, E, F, cross-section, minimum: 0.14 mm², cross-section, maximum: 16 mm², for TWIN ferrules up to 2 mm² x 6 mm², automatic cross-section adjustment, rotating dies, lateral and front entry, crimping: square

Phoenix Contact 2025 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG

Flachsmarktstraße 8

D-32825 Blomberg

+49 (0) 5235-3 00

info@phoenixcontact.com