

AI-XL 1,5-10 BK - Ferrule



3201974

<https://www.phoenixcontact.com/us/products/3201974>

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Ferrule, Length contact range: 10 mm, sleeve length: 19.5 mm, color: black

Your advantages

- Previous methods of achieving correct conductor insulation are much more time consuming
- These ferrules can be used for short-circuit-proof cables

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 3201974 |
| Packing unit | 100 pc |
| Minimum order quantity | 100 pc |
| Sales key | BH34 |
| Product key | BH341S |
| GTIN | 4017918125073 |
| Weight per piece (including packing) | 0.252 g |
| Weight per piece (excluding packing) | 0.25 g |
| Customs tariff number | 85369010 |
| Country of origin | DE |

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Technical data

Product properties

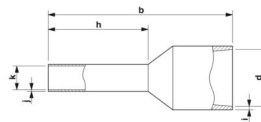
| | |
|--------------------|--|
| Product type | Cable end sleeve |
| Conductor category | stranded conductors, class 2, 5, 6 / B, C, K, M |
| Product property | Suitable for short-circuit-proof cables (NSGAFÖU) due to the significantly increased collar diameter |
| | UL certified |
| | Made from soft 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 | 15 mm |

Dimensions

| | |
|---|--|
| Dimensional drawing |  |
| Sleeve length | 19.5 mm |
| Length contact range | 10 mm |
| Maximum stripping length | 15 mm |
| Ferrule diameter | 1.8 mm |
| Sleeve wall thickness | 0.15 mm |
| Insulating collar thickness | 0.3 mm |
| Inner dimensions of the insulating collar | 7 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

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Technical data

| | |
|---------------|---------|
| Sleeve length | 19.5 mm |
|---------------|---------|

Environmental and real-life conditions

Ambient conditions

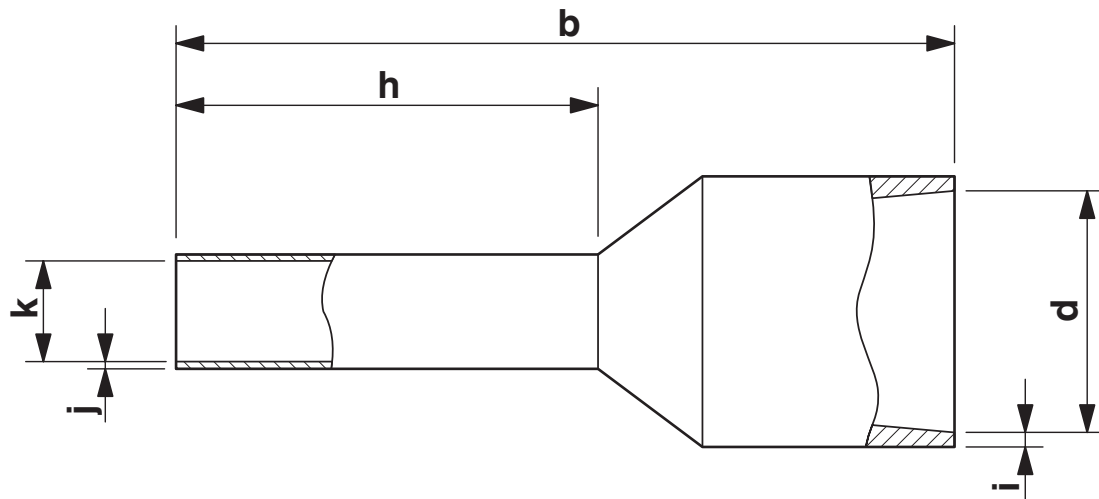
| | |
|---|---|
| Optimum ambient temperature (storage/transport) | 23.00 °C 50.00 % Storage in a dry and dark place in the original packaging is recommended |
| Permanent temperature | 105 °C (-40 °C no load / 0 °C dynamic load) |
| Short-term temperature | 120 °C |

Standards and regulations

| | |
|------------------------------|------------------------|
| Design according to standard | UL 486F-E, NF C 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)

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Approvals

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cULus Listed

Approval ID: E488001

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27400201 |
| ECLASS-15.0 | 27400201 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC000005 |
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UNSPSC

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

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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% |

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