

# AI 4 -12 GY -1000 - Ferrule



1200307

<https://www.phoenixcontact.com/us/products/1200307>

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: gray

## Your advantages

- The ferrules with plastic sleeve are made from soft tin-plated electrolytic copper
- The insulation reliability of close connections is increased and the splicing of wires is prevented

## Commercial data

Item number	1200307
Packing unit	1,000 pc
Minimum order quantity	1,000 pc
Sales key	BH34
Product key	BH3411
GTIN	4055626456379
Weight per piece (including packing)	0.297 g
Weight per piece (excluding packing)	0.26 g
Customs tariff number	85369010
Country of origin	DE

# AI 4 -12 GY -1000 - Ferrule



1200307

<https://www.phoenixcontact.com/us/products/1200307>

## Technical data

### Product properties

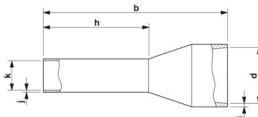
Product type	Cable end sleeve
Conductor category	stranded conductors, class 2, 5, 6 / B, C, K, M
Product property	UL certified
	Made from soft tin-plated electrolytic copper
	Correspond to the requirements of DIN 46228-1 and UL 486F in terms of size
	Plastic collar made of polypropylene
	Halogen-free
	Long/short-term temperature: +105°C/+120°C

### Connection data

#### Conductor connection

Conductor cross-section flexible max.	4 mm <sup>2</sup>
Conductor cross-section AWG max.	12
Stripping length	15 mm

### Dimensions

Dimensional drawing	
Sleeve length	20 mm
Length contact range	12 mm
Maximum stripping length	15 mm
Ferrule diameter	2.8 mm
Sleeve wall thickness	0.2 mm
Insulating collar thickness	0.3 mm
Inner dimensions of the insulating collar	4.8 mm

### Material specifications

Color	gray (RAL 7042)
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 4 -12 GY -1000 - Ferrule



1200307

<https://www.phoenixcontact.com/us/products/1200307>

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-E
------------------------------	------------------------

1200307

<https://www.phoenixcontact.com/us/products/1200307>

## 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 4 -12 GY -1000 - Ferrule

1200307

<https://www.phoenixcontact.com/us/products/1200307>



## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1200307>



**cULus Listed**

Approval ID: E488001

# AI 4 -12 GY -1000 - Ferrule



1200307

<https://www.phoenixcontact.com/us/products/1200307>

## Classifications

### ECLASS

ECLASS-13.0	27400201
ECLASS-15.0	27400201

### ETIM

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

### UNSPSC

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

# AI 4 -12 GY -1000 - Ferrule



1200307

<https://www.phoenixcontact.com/us/products/1200307>

## 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](mailto:info@phoenixcon.com)