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Contact insert, Contact insert, housing material: PA, number of positions: 2, nom. voltage: 400, rated current: 20 A, Connection method: Screw connection, Type of contact: Socket. Connectors may only be connected/ disconnected when under no load.

#### Your advantages

- Compact design
- ☑ Proven COMBICON technology
- ☑ Universal connection
- ☑ Can be keyed to prevent incorrect connection



### **Key Commercial Data**

Packing unit	50 pc
GTIN	4 017918 127145
GTIN	4017918127145

#### Technical data

#### General

Note	Connectors may only be connected/disconnected when under no load.
Connection technology	Screw connection
Connection method	Screw connection
Tightening torque	0.5 Nm 0.6 Nm
Degree of pollution	3
Number of positions	2
Insertion/withdrawal cycles	≥ 100
2 conductors with same cross section, solid min.	0.2 mm²
2 conductors with same cross section, solid max.	2.5 mm²
2 conductors with same cross section, stranded min.	0.2 mm²
2 conductors with same cross section, stranded max.	2.5 mm²
Conductor cross section	0.2 mm² 4 mm²



#### Technical data

#### General

Connection cross section AWG	24 12
Stripping length of the individual wire	10 mm

#### Ambient conditions

Ambient temperature (operation)	-40 °C 100 °C

#### Material data

Housing material	PA
Contact material	CuZn
Contact surface material	Tin-plated
Contact carrier material	PA

#### Electrical characteristics

Rated voltage (III/3)	400 V
Rated surge voltage	6 kV
	6 kV
Rated current	20 A
	20 A

#### Standards and Regulations

Connection in acc. with standard	CUL
Flammability rating according to UL 94	V0
Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	The products are suitable for applications in plant, controller, and electrical device engineering.
	When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	Assembled products may not be manipulated or improperly opened.
	Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	When using the product in direct connection with third-party manufacturers, the user is responsible.
	For operating voltages > 50 V AC, conductive connector housings must be grounded
	Ensure that the protective or functional ground has been properly connected.



#### Technical data

#### Standards and Regulations

VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector
Observe the corresponding technical data. You will find information: o On the product o On the packing label o In the supplied documentation o Online at phoenixcontact.com/products under the product
Only use tools recommended by Phoenix Contact
• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
Operate the connector only when it is fully plugged in.
• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
Observe the minimum bending radius of the cable. Lay the cable without twisting it.

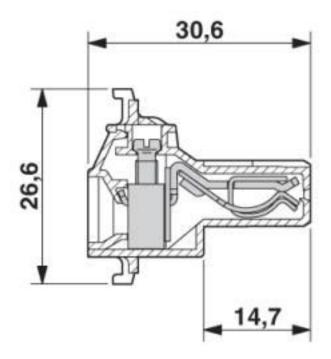
#### **Environmental Product Compliance**

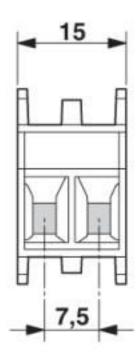
REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings



#### Dimensional drawing





### Classifications

#### eCl@ss

eCl@ss 10.0.1	27440205
eCl@ss 4.0	27140800
eCl@ss 4.1	27140800
eCl@ss 5.0	27371200
eCl@ss 5.1	27261200
eCl@ss 6.0	27261200
eCl@ss 7.0	27440205
eCl@ss 8.0	27440205
eCl@ss 9.0	27440205

#### **ETIM**

ETIM 2.0	EC000437
ETIM 3.0	EC000437
ETIM 4.0	EC000437
ETIM 5.0	EC000438
ETIM 6.0	EC000438
ETIM 7.0	EC000438

#### UNSPSC

UNSPSC 6.01	31261501
UNSPSC 7.0901	31261501



#### Classifications

#### **UNSPSC**

UNSPSC 11	31261501
UNSPSC 12.01	31261501
UNSPSC 13.2	39121522
UNSPSC 18.0	39121522
UNSPSC 19.0	39121522
UNSPSC 20.0	39121522
UNSPSC 21.0	39121522

### Approvals

#### Approvals

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

#### Approval details

UL Recognized	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 11	
Nominal voltage UN	600 V	
Nominal current IN	20 A	
mm²/AWG/kcmil	30-10	

cUL Recognized	<b>.71</b>	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE		FILE E 118976
Nominal voltage UN			600 V	
Nominal current IN			20 A	
mm²/AWG/kcmil			30-10	

EAC	EAC		B.01742
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### **Approvals**

cULus Recognized



#### Accessories

Accessories

Coding element

Coding profile - CP-HCC 4 - 1600027



Coding profile, number of positions: 1, pitch: 0 mm, color: red

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