

# PV-CF-P 2,5(+)- Connector



1795323

<https://www.phoenixcontact.com/us/products/1795323>

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Photovoltaic connector, nominal current: 15 A, nom. voltage: 1000 V, connection method: Pierce connection, color: black. Only with Huber & Suhner RADOX® Solar (TÜV) solar cable

## Commercial data

Item number	1795323
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB02
Product key	ABLBBB
GTIN	4046356651196
Weight per piece (including packing)	4.962 g
Weight per piece (excluding packing)	4.325 g
Customs tariff number	85366990
Country of origin	DE

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## Technical data

### Product properties

Product type	Photovoltaic connectors
Product family	SUNCLIX

### Insulation characteristics

Protection class	II
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### Electrical properties

Rated voltage (III/2)	1000 V
Rated surge voltage (III/2)	10 kV
Rated surge voltage (III/3)	8 kV
Rated current (2.5 mm <sup>2</sup> )	15 A
Contact resistance	0.3 mΩ

### Connection data

Connection method	Pierce connection
Stripping length	10 mm

### Material specifications

Color	black
Flammability rating according to UL 94	V0
Insulating material	mPPE
Contact surface	Gold Au
Contact material	Cu
Contact surface material	Ag

### Cable/line

Cable type	PV1-F cables
External cable diameter	5.05 mm ... 5.35 mm
Single wire, cross section	2.5 mm <sup>2</sup> 2.5 mm <sup>2</sup>
Cable pull-out force	> 190 N

### Mechanical properties

#### Mechanical data

Insertion force	40 N ±5 N
Withdrawal force	170 N ±5 N

### Environmental and real-life conditions

#### Ambient conditions

Degree of protection (when plugged in)	IP67
Degree of protection	IP67

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Ambient temperature (operation) (male connector/female connector)	-40 °C ... 85 °C
Ambient temperature (assembly)	-25 °C ... 50 °C

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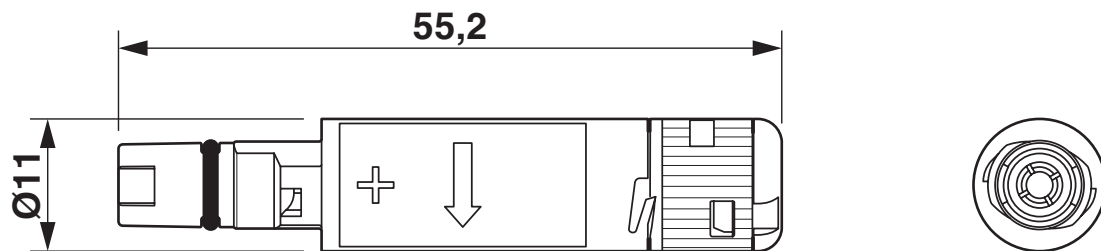
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## Drawings

Dimensional drawing



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## Classifications

### ECLASS

ECLASS-13.0	27440107
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

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