

SOLAR CONNECTORS & CABLE CONFECTION

PRODUCT CATALOGUE



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SOLINQ®

EXPERT IN CONNECTIVITY

Solinq® is a leading international manufacturer and supplier of high-quality solar DC connectors and cable confection for photovoltaic (PV) systems. Whether you are building a small residential PV-system or a large solar field; our certified product range of connectors and tools, will provide the right solution for your PV-installation.

Solinq® sets itself apart by a high reliability of delivery and high production standards. Businesses and customers count on our commitment and our active support when dealing with unusual problems. Hence, our professional engineering department continually seeks possibilities to optimize our product designs according to international standards. Our customer service department is always available to answer your questions or provide information.

What exactly does Solinq® do?

We provide Powerful Solar Solutions.





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POWERFUL SOLAR SOLUTIONS



Looking for high quality
PV-components?
Let's work together.



SOLINQ®

APPLICATIONS AND BENEFITS

Solinq® offers a wide range of connectors and cable accessories for PV-systems. Our top-performing products can be grouped into three categories:

- Connectors
- Cable confection
- Cable tools

These seemingly small components can have a major impact on the reliability and efficiency of PV-systems. Therefore, the Solinq® product range consist exclusively of high-end materials and are produced according to the highest production standards. Therefore, our products provide the following benefits to our customers and their businesses.



Save costs over the lifespan of the PV-system

By installing high-quality components, the cost on maintenance will be reduced and the LCOE will be positively impacted.



Increase the efficiency of the PV-system

Due to the high production standards and design of our components, power losses are minimized and the overall energy yield is maximized.



Increase the reliability of the PV-system

By implementing certified products, the risk of downtime is reduced, Thereby, the bankability increases and return-on-investment is better preserved.





MAXIMIZE YOUR POWER & SAVINGS





SOLINQ®

CONNECTOR PRODUCT RANGE

A solar array is all about DC-connectors. After all, DC-connectors link solar panels to each other, and DC-connectors couple solar arrays to inverters in order to successfully produce a flow of electricity. Hence, DC-connectors are crucial components for the reliable and safe operation of PV-systems.

The Solinq® connectors consist solely of high-end materials. The outer-cases are made of halogen free, highly UV-resistant polyamide 6.6 and polyphenylene ether polymers (in accordance with UL 746C for water exposure). The tinned copper conductors are coated with precious metals such as silver or gold for improved conductivity and operational efficiency.

As a global market leader our products meet the highest standards and millions of our connectors have been installed worldwide. Do you want to provide your customers with a safe, reliable, and high-quality PV-system? Then Solinq® is your certified DC-connector of choice for both 1000 Vdc or 1500 Vdc PV-systems.



Looking for high quality connectors?
Contact us for your inquiries.

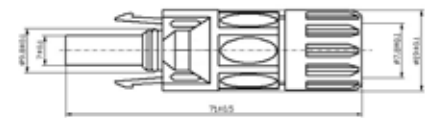
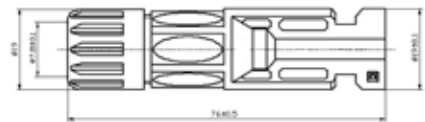
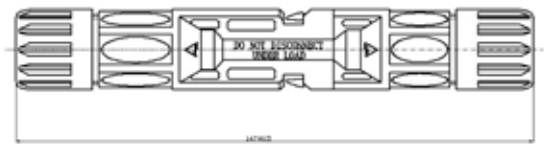
Solinq® Silverline (4+6mm²) 1500 Vdc

Product codes: SOL07010007 (female), SOL07010008 (male)



TECHNICAL PARAMETERS

Features	Value
Dimensions (H*W*D):	ø19mm x 76mm (M) / ø19mm x 71mm (F)
Total weight{terminal block include}:	22g
Certification Mark	TUV / UL
The diameter of the connection	14AWG / 12AWG / 10AWG
Plug Housing (RTI)	PC / PA (115 °C)
Receptacle contact material	copper/silver plated
Max. system voltage	1500 Vdc
Rated insulation voltage / Rated impulse voltage	6000 Vdc / 8000 Vac
Protection class	II
Rated current	22A (14AWG) / 30A (12AWG) / 30A (10AWG)
Torque	≥ 1.2N.m
Static resistance	≤ 5mΩ
Voltage withstand	1.8kV / 1mA / 1min
Leakage current	< 10 uA
Waterproof grade	IP67
Temperature range	-40 °C - 85 °C
Flame retardance	UL94-VO
Weather-resistance	Tested against UV irradiation and humid heat test
Cable stripping length	7-8mm
Thrusting force	35N <F < 80N
Drawing force (auto locking status)	≥ 300N
Contact resistance	< 0.35mΩ



Order online



ACCESSOIRES

	Type	P.U.*	Prod. code
	SEALING CAP Dust cap (male and female housings) for tight sealing of unplugged PV connectors	10 pc.	CAP07010002 (Male) CAP07010001 (Female)
	GOLDLINE PIN ONLY Solinq® 4+6mm ² pin only goldline male Solinq® 4+6mm ² pin only goldline female	10 pc.	SOL07010023 (Male) SOL07010022 (Female)
	SAFETY CLIP Extra security measure against unintended opening	10 pc.	SOL07010026

*Packing Unit

RELATED PRODUCTS

	Type	P.U.*	Prod. code
	SOLINQ® CRIMPING TOOL Multifunctional tool to crimp 4-10 mm ² solar cable, RJ45 plugs, cable ferrules and lugs.	1	SOL07010050
	SOLINQ® WIRE STRIPPER Length and width adjustable, automated wire stripper for 2.5 - 10 mm ² solar cable	1	SOL13010001
	SOLINQ® WRENCH TOOL To tighten and unscrew the cable gland and to open the locking device for Solina® connectors	1	SOL07010051

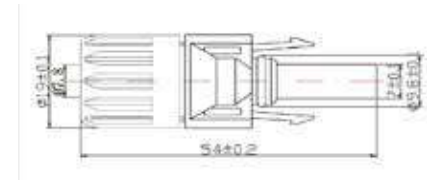
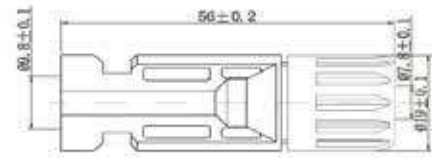
Solinq® Silverline (4+6mm²) 1000 Vdc

Product codes: SOL07010005 (female), SOL07010006 (male)

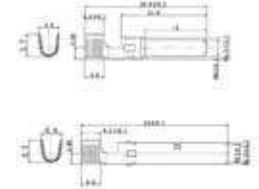
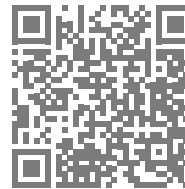


TECHNICAL PARAMETERS

Features	Value
Dimensions (H*W*D):	ø19mm x 56mm (M) / ø19mm x 54mm (F)
Total weight{terminal block include}:	22g
Certification Mark	TUV / UL
The diameter of the connection	14AWG / 12AWG / 10AWG
Plug Housing (RTI)	PC/PA {115 °C}
Receptacle contact material	copper/ silver plated
Max. system voltage	1000 Vdc
Rated insulation voltage / Rated impulse voltage	6000 Vdc / 8000 Vac
Protection class	II
Rated current	22A (14AWG) / 30A (12AWG) / 30A (10AWG)
Torque	≥ 1.2N.m
Static resistance	≤ 5mΩ
Voltage withstand	1.8kV / 1mA / 1min
Leakage current	< 10 uA
Waterproof grade	IP68
Temperature range	-40 °C - 85 °C
Flame retardance	UL94-V0
Weather-resistance	Tested against UV irradiation and humid heat test
Cable stripping length	7-8mm
Thrusting force	35N <F < 80N
Drawing force (auto locking status)	≥ 300N
Contact resistance	< 0.35mΩ



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ACCESSOIRES

	Type	P.U.*	Prod. code
	SEALING CAP Dust cap (male and female housings) for tight sealing of unplugged PV connectors	10 pc.	CAP07010002 (Male) CAP07010001 (Female)
	GOLDLINE PIN ONLY Solinq® 4+6mm ² pin only goldline male Solinq® 4+6mm ² pin only goldline female	10 pc.	SOL07010023 (Male) SOL07010022 (Female)
	SAFETY CLIP Extra security measure against unintended opening	10 pc.	SOL07010026

*Packing Unit

RELATED PRODUCTS

Type	P.U.*	Prod. code
 SOLINQ® CRIMPING TOOL Multifunctional tool to crimp 4-10 mm² solar cable, RJ45 plugs, cable ferrules and lugs.	1	SOL07010050
 SOLINQ® WIRE STRIPPER Length and width adjustable, automated wire stripper for 2.5 - 10 mm² solar cable	1	SOL13010001
 SOLINQ® WRENCH TOOL To tighten and unscrew the cable gland and to open the locking device for Solina® connectors	1	SOL07010051



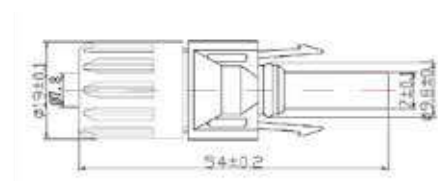
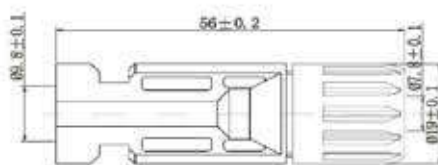
Solinq® Goldline (4+6 mm²) 1000 Vdc

PRODUCT CODES: SOL07010012 (male), SOL07010011 (female)

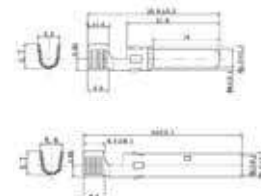


TECHNICAL PARAMETERS

Features	Value
Dimensions (H*W*D):	ø19mm x 56mm (M) / ø19mm x 54mm (F)
Total weight (terminal block include):	22g
Certification Mark	TUV / UL
The diameter of the connection	14AWG / 12AWG / 10AWG
Plug Housing (RTI)	PC/PA [115 °C]
Receptacle contact material	copper/silver plated
Max. system voltage	1000 Vdc
Rated insulation voltage/ Rated impulse voltage	6000 Vdc / 8000 Vac
Protection class	II
Rated current	22A (14AWG) / 30A (12AWG) / 30A (10AWG)
Torque	≥ 1.2N.m
Static resistance	≤ 5mΩ
Voltage withstand	1.8kV / 1mA / 1min
Leakage current	< 10 uA
Waterproof grade	IP68
Temperature range	-40 °C - 85 °C
Flame retardance	UL94-V0
Weather-resistance	Tested against UV irradiation and humid heat test
Cable stripping length	7-8mm
Thrusting force	35N <F < 80N
Drawing force (auto locking status)	≥ 300N
Contact resistance	< 0.25mΩ



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ACCESSOIRES

Type	P.U.*	Prod. code
 SEALING CAP Dust cap (male and female housings) for tight sealing of unplugged PV connectors	10 pc.	CAP07010002 (Male) CAP07010001 (Female)
 SILVERLINE PIN ONLY Solinq® 4+6mm ² pin only silverline male Solinq® 4+6mm ² pin only silverline female	10 pc.	SOL07010004 (Male) SOL07010003 (Female)
 SAFETY CLIP Extra security measure against unintended opening	10 pc.	SOL07010026

*Packing Unit

RELATED PRODUCTS

Type	P.U.*	Prod. code
 SOLINQ® CRIMPING TOOL Multifunctional tool to crimp 4-10 mm ² solar cable, RJ45 plugs, cable ferrules and lugs.	1	SOL07010050
 SOLINQ® WIRE STRIPPER Length and width adjustable, automated wire stripper for 2.5 - 10 mm ² solar cable	1	SOL13010001
 SOLINQ® WRENCH TOOL To tighten and unscrew the cable gland and to open the locking device for Solinq® connectors	1	SOL07010051

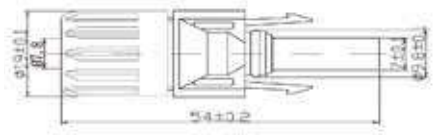
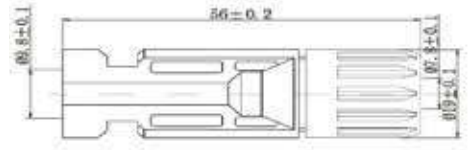
Solinq® Silverline (10 mm²) 1000 Vdc

PRODUCT CODES: SOLO7010010 (male), SOLO7010009 (female)

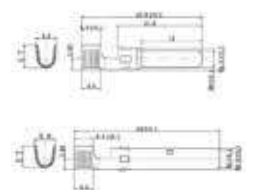
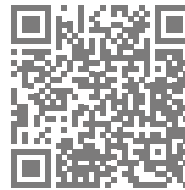


TECHNICAL PARAMETERS

Features	Value
Dimensions [H*W*D]:	ø19mm x 56mm [M] / ø19mm x 54mm [F]
Total weight{terminal block include}:	22g
Certification Mark	TUV / UL
The diameter of the connection	7AWG
Plug Housing (RTI)	PC/PA [115 °C]
Receptacle contact material	copper/ silver plated
Max. system voltage	1000 Vdc
Rated insulation voltage / Rated impulse voltage	6000 Vdc / 8000 Vac
Protection class	II
Rated current	45 Amp
Torque	≥ 1.2N.m
Static resistance	≤ 5mΩ
Voltage withstand	1.8kV / 1mA / 1min
Leakage current	< 10 uA
Waterproof grade	IP67
Temperature range	-40 °C - 85 °C
Flame retardance	UL94-V0
Weather-resistance	Tested against UV irradiation and humid heat test
Cable stripping length	7-8 mm
Thrusting force	35N <F < 80N
Drawing force {auto locking status}	≥ 300N
Contact resistance	< 5mΩ



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ACCESSOIRES

Type	P.U.*	Prod. code
 SEALING CAP Dust cap (male and female housings) for tight sealing of unplugged PV connectors	10 pc.	CAP07010002 (Male) CAP07010001 (Female)
 GOLDLINE PIN ONLY Solinq® 4+6mm² pin only goldline male Solinq® 4+6mm² pin only goldline female	10 pc.	SOL07010023 (Male) SOL07010022 (Female)
 SAFETY CLIP Extra security measure against unintended opening	10 pc.	SOL07010026

*Packing Unit

RELATED PRODUCTS

Type	P.U.*	Prod. code
 SOLING® CRIMPING TOOL Multifunctional tool to crimp 4-10 mm² solar cable, RJ45 plugs, cable ferrules and lugs.	1	SOL07010050
 SOLING® WIRE STRIPPER Length and width adjustable, automated wire stripper for 2.5 - 10 mm² solar cable	1	SOL13010001
 SOLING® WRENCH TOOL To tighten and unscrew the cable gland and to open the locking device for Solinq® connectors	1	SOL07010051

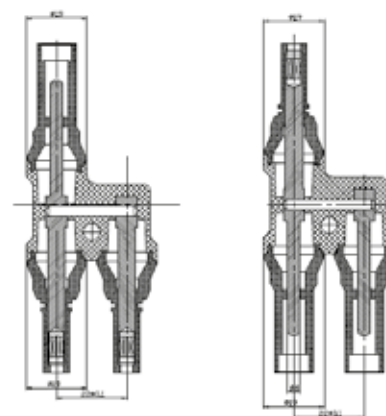
Solinq® Branche connector 1000 Vdc

PRODUCT CODES: SOL07010014 (MMF), SOL07010013 (FFM)

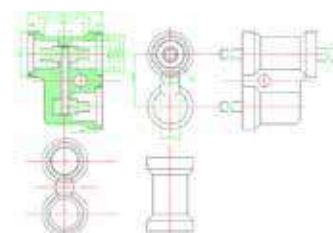


TECHNICAL PARAMETERS

Features	Value
Dimensions (H*W*D):	ø19mm x 56mm (M) / ø19mm x 54mm (F)
Total weight (terminal block include):	22g
Certification Mark	TUV / UL
The diameter of the connection	14AWG / 12AWG / 10AWG
Plug Housing (RTI)	PC/PA (115 °C)
Receptacle contact material	copper/silver plated
Max. system voltage	1000 Vdc
Rated insulation voltage / Rated impulse voltage	6000 Vdc / 8000 Vac
Protection class	II
Rated current	22A (14AWG) / 30A (12AWG) / 30A (10AWG)
Torque	≥ 1.2N.m
Static resistance	≤ 5mΩ
Voltage withstand	1.8kV / 1mA / 1min
Leakage current	< 10 uA
Waterproof grade	IP68
Temperature range	-40 °C - 85 °C
Flame retardance	UL94-VO
Weather-resistance	Tested against UV irradiation and humid heat test
Cable stripping length	7-8mm
Thrusting force	35N <F < 80N
Drawing force (auto locking status)	≥ 300N
Contact resistance	< 0.35mΩ



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ACCESSOIRES

Type	P.U.*	Prod. code
 SEALING CAP Dust cap (male and female housings) for tight sealing of unplugged PV connectors	10 pc.	CAP07010002 (Male) CAP07010001 (Female)
 GOLDLINE PIN ONLY Solinq® 4+6mm² pin only goldline male Solinq® 4+6mm² pin only goldline female	10 pc.	SOL07010023 (Male) SOL07010022 (Female)
 SAFETY CLIP Extra security measure against unintended opening	10 pc.	SOL07010026

*Packing Unit

RELATED PRODUCTS

Type	P.U.*	Prod. code
 SOLINQ® CRIMPING TOOL Multifunctional tool to crimp 4-10 mm² solar cable, RJ45 plugs, cable ferrules and lugs.	1	SOL07010050
 SOLINQ® WIRE STRIPPER Length and width adjustable, automated wire stripper for 2.5 - 10 mm² solar cable	1	SOL13010001
 SOLINQ® WRENCH TOOL To tighten and unscrew the cable gland and to open the locking device for Solinq® connectors	1	SOL07010051

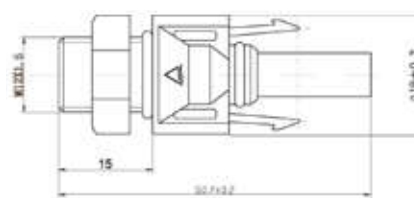
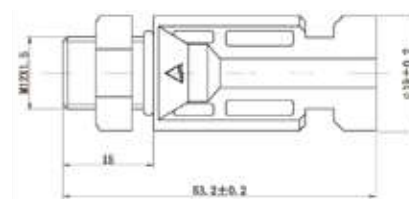
Solinq® Panel connector 1000 Vdc

PRODUCT CODES: SOL07010002 (male), SOL07010001 (female)

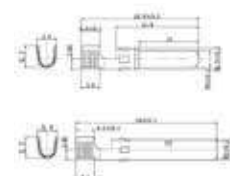


TECHNICAL PARAMETERS

Features	Value
Dimensions (H*W*D):	ø19mm x 56mm (M) / ø19mm x 54mm (F)
Total weight (terminal block include):	22g
Certification Mark	TUV / UL
The diameter of the connection	14AWG / 12AWG / 10AWG
Plug Housing (RTI)	PC / PA [115 °C]
Receptacle contact material	copper / silver plated
Max. system voltage	1000 Vdc
Rated insulation voltage / Rated impulse voltage	6000 Vdc / 8000 Vac
Protection class	II
Rated current	22A (14AWG) / 30A (12AWG) / 30A (10AWG)
Torque	≥ 1.2N.m
Static resistance	≤ 5mΩ
Voltage withstand	1.8kV / 1mA / 1min
Leakage current	< 10 uA
Waterproof grade	IP67
Temperature range	-40 °C - 85 °C
Flame retardance	UL94-V0
Weather-resistance	Tested against UV irradiation and humid heat test
Cable stripping length	7-8mm
Thrusting force	35N <F < 80N
Drawing force (auto locking status)	≥ 300N
Contact resistance	< 0.35mΩ



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ACCESSOIRES

Type	P.U.*	Prod. code
 SEALING CAP Dust cap (male and female housings) for tight sealing of unplugged PV connectors	10 pc.	CAP07010002 (Male) CAP07010001 (Female)
 GOLDLINE PIN ONLY Solinq® 4+6mm ² pin only goldline male Solinq® 4+6mm ² pin only goldline female	10 pc.	SOL07010023 (Male) SOL07010022 (Female)
 SAFETY CLIP Extra security measure against unintended opening	10 pc.	SOL07010026

*Packing Unit

RELATED PRODUCTS

Type	P.U.*	Prod. code
 SOLINQ® CRIMPING TOOL Multifunctional tool to crimp 4-10 mm ² solar cable, RJ45 plugs, cable ferrules and lugs.	1	SOL07010050
 SOLINQ® WIRE STRIPPER Length and width adjustable, automated wire stripper for 2.5 - 10 mm ² solar cable	1	SOL13010001
 SOLINQ® WRENCH TOOL To tighten and unscrew the cable gland and to open the locking device for Solinq® connectors	1	SOL07010051

Solinq® Click connector 1000 Vdc

PRODUCT CODES: SOL07010030 (male), SOL07010029 (female)



TECHNICAL PARAMETERS

Features	Value
Dimensions (H*W*D):	ø19mm x 56mm (M) / ø19mm x 54mm (F)
Total weight (terminal block include):	22g
Certification Mark	TUV / UL
The diameter of the connection	14AWG / 12AWG / 10AWG
Plug Housing (RTI)	PC/PA (115 °C)
Receptacle contact material	copper/silver plated
Max. system voltage	1000 Vdc
Rated insulation voltage / Rated impulse voltage	6000 Vdc / 8000 Vac
Protection class	II
Rated current	22A (14AWG) / 30A (12AWG) / 30A (10AWG)
Torque	≥ 1.2N.m
Static resistance	≤ 5mΩ
Voltage withstand	1.8kV / 1mA / 1min
Leakage current	< 10 uA
Waterproof grade	IP67
Temperature range	-40 °C - 85 °C
Flame retardance	UL94-V0
Weather-resistance	Tested against UV irradiation and humid heat test
Cable stripping length	7-8mm
Thrusting force	35N <F < 80N
Drawing force (auto locking status)	≥ 300N
Contact resistance	< 0.35mΩ

Thanks to the unique 'push-in' technology, our easy-to-handle SOLINQ® click connector can be installed quickly and easily without the need for a crimping tool.

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ACCESSOIRES

Type	P.U.*	Prod. code
 SEALING CAP Dust cap (male and female housings) for tight sealing of unplugged PV connectors	10 pc.	CAP07010002 (Male) CAP07010001 (Female)
 SILVERLINE PIN ONLY Solinq® 4+6mm ² pin only silverline male Solinq® 4+6mm ² pin only silverline female	10 pc.	SOL07010004 (Male) SOL07010003 (Female)
 SAFETY CLIP Extra security measure against unintended opening	10 pc.	SOL07010026

*Packing Unit

RELATED PRODUCTS

Type	P.U.*	Prod. code
 SOLINQ® CRIMPING TOOL Multifunctional tool to crimp 4-10 mm ² solar cable, RJ45 plugs, cable ferrules and lugs.	1	SOL07010050
 SOLINQ® WIRE STRIPPER Length and width adjustable, automated wire stripper for 2.5 - 10 mm ² solar cable	1	SOL13010001
 SOLINQ® WRENCH TOOL To tighten and unscrew the cable gland and to open the locking device for Solinq® connectors	1	SOL07010051

TÜV CERTIFICATE SOLINQ® 1000 Vdc



Product Service

No. B 106375 0002 Rev. 00

De Koumen 35
6433 KG Hoensbroek
THE NETHERLANDS

089469

Certification Mark:



Connector

Connectors for Photovoltaic Systems

SOL000-X

Rated Voltage: 1000VDC
Rated Current: 30A
Application Class: A
Protection Class: II
Degree of Protection: IP68(1m, 1h)
Ambient Temperature: -40°C ~+85°C

Tested according to: IEC 62852(ed.1)
EN 62852:2015

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 701262003301-00

Valid until: 2024-12-08

Date. 2020-03-17

(Yaqun Alex Liu)

SOLINQ®

TÜV CERTIFICATE SOLINQ® 1500 Vdc

A4 / 07.17

ZERTIFIKAT • CERTIFICATE • CERTIFICADO • CERTIFIKAT • 認證證書

CERTIFICATE
No. B 106375 0001 Rev. 00

Holder of Certificate: Duramotion B.V.
De Koumen 35
6433 KG Hoensbroek
THE NETHERLANDS

Production Facility(ies): 089469

Certification Mark: 

Product: Connector
Connectors for Photovoltaic Systems

Model(s): Solinq SOL000X

Parameters:
Rated Voltage: 1500VDC
Rated Current: 30A
Application Class: A
Protection Class: II
Degree of Protection: IP68(1m, 1h)
Ambient Temperature: -40°C ~ +85°C

Tested according to: IEC 62852(ed.1)
EN 62852:2015

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition the certification holder must not transfer the certificate to third parties. See also notes overleaf.

Test report no.: 701261910301-00

Valid until: 2024-09-25

Date, 2019-11-12 
(Yaqu Alex Liu)

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TÜV®

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Looking for high quality
PV-components?
Let's work together.





Test Report issued under the responsibility of:



TEST REPORT IEC 62852 Connector for DC – application in photovoltaic systems – Safety requirements and tests	
Report Number.	2257781.50
Date of issue.....	2021-08-06
Total number of pages	15
Name of Testing Laboratory preparing the Report.....	
DEKRA Certification B.V.	
Applicant's name.....	
Duramotion B.V.	
Address.....	
De Koumen 35 6433 KG Hoensbroek, The Netherlands.	
Test specification:	
Standard	IEC 62852:2014
Test procedure	CB Scheme
Non-standard test method	N/A
Test Report Form No.....	IEC 62852A
Test Report Form(s) Originator....	DEKRA Certification B.V.
Master TRF.....	Dated 2020-03-13
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CREATING CONNECTION



SOLINQ®

CABLE CONFECTION

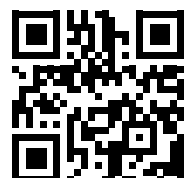
LINK CABLES

A 'link cable' is a short length of solar cable with a connector set attached to the ends. This cable is applied to extend a string from one row of solar panels to the next. This extension is sometimes required in traditional single row configurations. However, the need to extend a solar cable occurs more often in so-called east-west configurations. These situations often require a string-extension e.g. one eastern-oriented row of solar panels to the following eastern-oriented row. These link cables have a standard length of 2 meters.

Furthermore, the metal PV-mounting systems expand due to warm temperatures. Hence, expansion joints are incorporated in large PV-systems. Link cables are also used to bridge the solar string across these expansion joints. These link cables have a standard length of 1 meter.

**Are you looking for link cables of a different length? Please contact our customer support team to discuss your wishes and specific requirements.
We will customize the link cables for your project.**

Looking for high quality link cables?
Contact us for your inquiries.



SOLINQ®

CABLE CONFECTION

SPLITTERS

So called 'U- and E-splitters' provide a reliable and easy way to construct the parallel branch connections in a solar array. An U-splitter is used to construct an array with 2 strings. If an array must consist of 3 parallel strings, then you can implement the E-splitter. Keep in mind that an array of ≥ 3 strings must be protected against the harmful effects of reverse currents. Due to a defected module in one string a reverse current is induced in the other strings. This reverse current can damage the junction boxes of the initially still functional PV-modules. Hence, when dealing with 3 or more strings in an array, it is required to implement inline-fuses in the splitters. The inline-fuses can also be incorporated within a combinerbox.

On the following pages our best-sellers from our cable confection range are shown. If you have inquiries regarding these products for your solar project, please contact our customer service via info@solinq.nl or call +31 45 203 3008.



An E-splitter with 3 female connectors (4 mm²) and a male connector (10 mm²).

Solinq® Link cables

PRODUCT CODES: KOP0301000X



Link cables are used to extend strings from one row of solar panels to the next row or to bridge the strings across expansion joints. Our pre-assembled link cable consists of our certified Solinq® connectors integrated with a German premium solar cable. The solar cable is TÜV certified and complies to EN 50618- H1Z2Z2 and IEC 60364-7-7 12.



Article number	Description
KOP03010001	Link cable; male/female; 4mm²; 0.5 meter; solar cable color option: red or black
KOP03010002	Link cable; male/female; 4mm²; 1 meter; solar cable color option: red or black
KOP03010003	Link cable; male/female; 4mm²; 1.5 meter; solar cable color option: red or black
KOP03010004	Link cable; male/female; 4mm²; 2 meter; solar cable color option: red or black
KOP03010005	Link cable; male/female; 6 mm²; 0.5 meter; solar cable color option: red or black
KOP03010006	Link cable; male/female; 6 mm²; 1 meter; solar cable color option: red or black
KOP03010007	Link cable; male/female; 6 mm²; 1.5 meter; solar cable color option: red or black
KOP03010008	Link cable; male/female; 6 mm²; 2 meter; solar cable color option: red or black

Order online



Are you looking for link cables of a different length or a bigger cable cross-section (e.g. 10 mm2), or with different terminal connectors and/or with inline fuses? We can customize our link cables to accommodate your projects. Please contact our customer support team to discuss your wishes and specific requirements.



CUSTOM LINK CABLE - EXAMPLE #1
With a specified short cable length



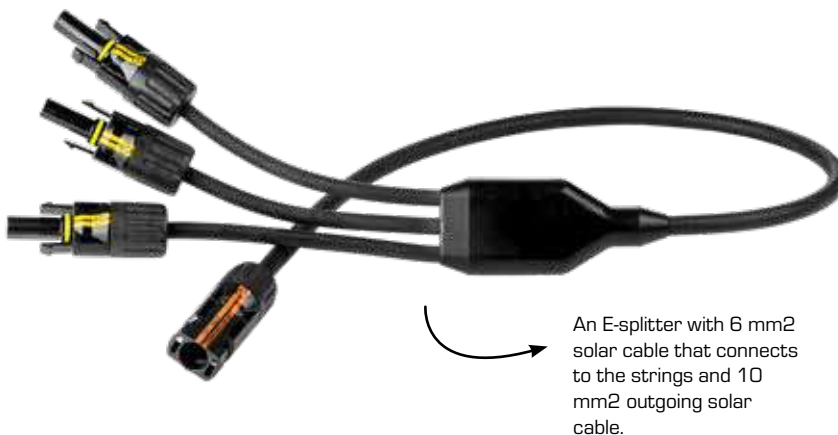
CUSTOM LINK CABLE - EXAMPLE #2
With an inline fuse

Solinq® Splitters

PRODUCT CODES: VER030100XX



The Solinq® splitters provide a reliable and easy way to construct the parallel branch connections in a solar array. The U-splitter is used to construct an array with 2 strings. An array containing 3 strings can be constructed by implementing the E-splitter. The solar cable is TÜV certified and complies to EN 50618- H1Z2Z2 and IEC 60364-7-7 12.



Order online



Article number	Description
VER03010021	U splitter 4mm² - 6mm² MMF/FMM
VER03010020	U splitter 6mm² - 10mm² MMF/FMM
VER03010010	E splitter 4mm² - 6mm² outgoing line
VER03010011	E splitter 6mm² - 10mm² outgoing line

Are you looking for splitters with cables of a specific length, cross-section, inline fuses or choices of terminal connectors? We can customize our splitters to accommodate your projects. Please contact our customer support team to discuss your wishes and specific requirements.

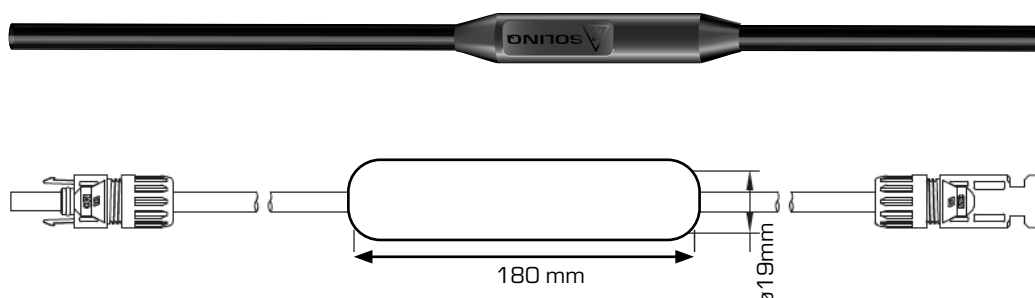
Solinq® Inline fuse 1000 Vdc / 1500 Vdc

PRODUCT CODES: KOP0301000X



If you are looking for the highest possible efficiency and operating safety of your solar systems, then the pre-assembled Solinq® inline string fuse is recommended.

These inline string fuses can be delivered separately or pre-assembled. The pre-assembled solution is integrated with Solinq® connectors on a length of solar cable that suits your specific requirements. Moreover, the inline fuse is UV- and weatherproof, has minimal electrical losses and the casing corresponds to IP class IP67. For further inquiries contact us via info@solinq.com or call us on +31 45 203 3008.



Article number	Description
Rated voltage	1000 - 1500 Vdc
Rated current @ 1000 Vdc	gPV 4 - 32 A (IEC60269-6)
Rated current @ 1500 Vdc	gPV 4 - 25 A (IEC60269-6)
Breaking capacity	30 kVA
IP class	IP68 (take note of connector's IP-protection)
Temperature range	Ambient temperature: -40° C to +50°C
Pollution Degree / protection Class / Rated Impulse withstand Voltage	@ 1000 Vdc: 3 / II / 12kV @ 1500 Vdc: 3 / II / 16kV
Material	Special Hotmelt, UV-Stable
Termination	Patented link directly in PV connector or with 6 mm ² solar cable
Dimensions	180? mm length; 20 mm diameter

Order online



Solinq® Customized pre-assembling

REQUEST FORM

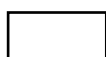


Do you need pre-assembled cables with a specific configuration? Simply sketch your customized cable using the black building blocks shown below: number each element and make sure to fill in the small form pertaining to each element. Submit your sketch + forms to our customer service and we will send you the quotation within 2 working days.

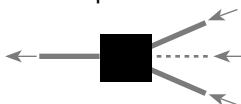
Do you need help to fill out the form? Please contact our customer support team; we are eager to help you. Moreover, if you provide us with the relevant details about the modules and inverters, then we can assist you to optimize the design of the cable configuration to maximize your customer benefit.



Connector



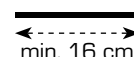
Splitter



Inline Fuse



Solar Cable



Connector number _____	
Male ☐	Female ☐
1000 Vdc ☐	1500 Vdc ☐
4+6 mm ² ☐	10 mm ² ☐
Solinq Click Connector?	
Yes ☐	No ☐

Splitter number _____	
E ☐	U ☐
Incoming cables	Outgoing cable
4 mm ² ☐	4 mm ² ☐
6 mm ² ☐	6 mm ² ☐
10 mm ² ☐	10 mm ² ☐

Inline Fuse number _____	
1000 Vdc ☐	1500 Vdc ☐
4 A ☐	15 A ☐
6 A ☐	20 A ☐
10 A ☐	25 A ☐
12 A ☐	30 A ☐

Cable number _____	
4 mm ² ☐	
6 mm ² ☐	
10 mm ² ☐	
Length:	cm
Color:	red ☐
	black (default) ☐

Your company data	Your contact information
Company name:	Tel:
Contact person:	Email:
Department:	Date:
Address:	Remarks:



SOLINQ®

CABLE TOOLS

Our company philosophy is to make products according to the highest standards. For this reason, we partnered up with renowned German tool manufacturer Cimco. All our tools are manufactured to withstand the test of time, made to be used daily for many years to come.

Crimping tools

It is crucial to crimp connector pins using the right tools. The Solinq® tools are designed to implement the correct amount of pressure to ensure the desired contact resistance. When the pins are not crimped correctly or with the wrong tools, this can lead to higher maintenance costs, system failure, or in the worst case, it will lead to fire hazards.

Our multifunctional Solinq® crimping tool has a 6-in-1 function. Due to the exchangeable crimp insert, you can crimp pins onto 4, 6 en 10 mm² solar cable, RJ45 plugs, cable ferrules, and cable lugs. This single tool suffices for all crimping activities of the solar engineer.

Wire strippers

Favorites in our product range are the Solinq® wire strippers. Firm and compact, and strips easily just the right length of insulation. Our wire strippers come in 2 sizes, the regular automated stripper and the pocket sized mini-stripper.

Please find the datasheets of our assembly tools and wire strippers on the next pages. Do you want to experience our high-quality product range for yourself? Please contact our customer service for all your inquiries.

Looking for high quality cable tools?
Contact us for your inquiries.



Solinq® Mini wire stripper & Power wire stripper

PRODUCT CODES: SOL13010002 (mini), SOL13010001 (power)



This pocket-sized wire stripper is highly appreciated by technicians that enjoy keeping their tools close at hand at all times. Easy to use and providing the same high quality and durability as you are accustomed to by the SOLINQ product range.

TECHNICAL SPECIFICATIONS

Type Cable	All solar cables
Stripping cross section	4,0 – 6,0mm ² (15 – 9 AWG)
Stripping length adjustable	yes
Adjustable stripping length	6 – 28 mm
Inner blade	Fixed, not exchangeable
Side blade	Yes (max. 4 mm ²)
Mass	0,57 g
Dimensions	120 x 28 x 39 mm
Minimum order quantity	1 pc



Order online



The Solinq power wire stripper is designed to remove insulation with ease. This tool is fully adjustable to suit your specific needs. For example, to crimp the Solinq contact pins, simply adjust the stripping length to 8 mm. The ergonomic pistol grip facilitates fatigue-free working. Moreover, this wire stripper automatically removes the insulation due to the retractable motion of the beak. Robust and durable, made for daily use for years to come by the renowned German tool manufacturer Cimco.

TECHNICAL SPECIFICATIONS

Length	220 mm
Stripping cross section	0,5 - 16mm ²
Stripping area AWG	6 - 20
Stripping area diameter	12 mm
Stripping length adjustable	Yes
Notch depth adjustable	No
Self adjusting	Yes
Length of the cheeks	7 mm
Head width	16 mm
Head height	45 mm
Longitudinal section	No
Round cut	Yes
Spiral cut	No
With wire cutter	No
Isolated	Yes
Protective insulation 1000V	No
Handle cover	Without
Handle Version	Other
Surface protection	Other
ESD tested	No
With impact protection	No
Mass	220 g



Solinq® Crimping tool

PRODUCT CODES: SOL07010050



The multifunctional SOLINQ crimping tool has a 6-in-1 function. Due to the exchangeable crimp insert, you can crimp pins onto 4, 6 en 10 mm² solar cable, RJ45 plugs, cable ferrules, and cable lugs. This single tool suffices for all crimping activities of the solar engineer.

A quality product of reputable German tool manufacturer Cimco. The combined expertise and experience of a cable, a connector and a tool manufacturer has produced an advanced crimping tool to help you secure all cable connections in the system.



Order online



ACCESSOIRES

	Type	P.U.*	Prod. code
	CRIMP INSERT (Regular) Insert suitable for crimp solar cable of 2.5 - 6 mm ² .	1 pc.	CON07010013
	CRIMP INSERT (Large) Insert suitable for crimp solar cable of d 10 mm ² .	1 pc.	CON07010011
	CRIMP INSERT RJ45 Insert suitable to crimp all RJ45 plugs.	1 pc.	CON07010010

	Type	P.U.*	Prod. code
	CRIMP INSERT CABLE LUGS Insert suitable for cable lugs of stud size 0,5 - 10mm ²	1 pc.	SOL07010050
	CRIMP INSERT CABLE FERRULES Insert suitable for cable ferrules of stud size 0,5 - 10mm ²	1 pc.	SOL13010001
	SOLINQ SILVERLINE CONNECTOR Used to connect 4+6 mm ² solar cable strings to the inverter or junction boxes.	10 pc. or 100 pc.	SOL07010005 (Female) SOL07010006 (Male)

*Packing Unit





REAP THE HARVEST FROM THE SUN



SOLINQ®

NORMS AND STANDARDS

RoHS ready Directive 2011/65/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment

IEC 61984:2008 Connectors - Safety requirements and tests

IEC62852:2014 Connectors for DC-application in photovoltaic systems
Safety requirements and tests

IEC60664 Insulation coordination for equipment within low-voltage systems

IEC 60512-5-2:2002 Connectors for electronic equipment - Tests and measurements
- Part 5-2: Current-carrying capacity tests-test 5b: Current-temperature derating

IEC 60364-5-52:2009 Low-voltage electrical installations -
Part 5-52: Selection and erection of electrical equipment - Wiring systems

EN 50525-2-31:2011 Part 2-31: Power cables for general applications -
Conductor and wiring lines with thermoplastic PVC insulation

IEC 60947-1 Low-voltage switchgear and control gear-Part 1: General rules

UL 6703:2014 Standard for Connectors for Use in Photovoltaic Systems

UL 1977:2016 Standard for Component Connectors for Use in Data, Signal,
Control and Power Applications

UL 2237:2018 Outline of Investigation for Multi-Point Interconnection Power Cable
Assemblies For Industrial Machinery

UL 2238:2011 Standard for Cable Assemblies and Fittings for Industrial Control and
Signal

SOLINQ®

GENERAL INFORMATION

Users wishing to employ products listed in this catalogue for applications we have not considered are themselves responsible for making certain that the products comply with standards other than those stated.

Modification and errors reserved

All data, illustrations and drawings in the catalogue have been carefully checked. However, no responsibility can be accepted for errors. We also reserve the right to make modifications for design and safety reasons. Therefore, when designing systems that incorporate our components, it is therefore advisable not to rely solely on the data in this catalogue.

Crimped terminations

For termination of the conductors to the crimping sleeves of the connector pins, we recommend using the Solinq® crimping tools. Always follow instructions when crimping connector pins. The crimping sleeves are designed for highly flexible conductors of the stated cross-section ranges.

Laying conditions

Avoid cables resting on a sharp edge at the exit from the PV connector. We recommend observing the minimum bending radius of the connecting cables.

Unplugging under load

Do not unplug PV plug connections while under load. Our design permits plugging and unplugging while under tension.

Protection against weather

To protect unplugged PV-connectors from moisture and dirt, sealing caps must be used.

SOLINQ®

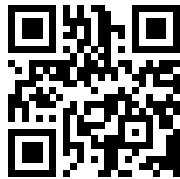
COMPANY PHILOSOPHY

CREATING CONNECTION

At Solinq® we create connection – through our products, but also with each other through our services. We believe that connection is the main ingredient that allows our employees, our customers and our businesses to thrive every day.

Connectivity and solar energy simply make the world better. It is our mission to facilitate both for generations to come by providing POWERFUL SOLAR SOLUTIONS.

Let's work together.



SOLINQ®

CUSTOMER SERVICE

Our customers and their businesses count on our commitment and our active support when dealing with logistical and engineering challenges. Hence, our professional engineering department and our customer service department are always available to answer your questions or provide information.

We always strive for long-term partnerships. Our partnerships are based on reliability and exceptional quality in both the products and services. Do you have any questions or inquiries? Don't hesitate to contact us. We are looking forward to working with you.

What exactly does Solinq® do?

We provide Powerful Solar Solutions.



SOLINQ® is a leading international manufacturer and supplier of high-quality DC-connectors and cable confection for photovoltaic systems.

What exactly does SOLINQ® do? We provide Powerful Solar Solutions.



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