

TH370

PLUG&SOCKET CONNECTOR
WITH CABLE CLAMP IP68



Give the creativity of your project
the space it deserves



MADE IN ITALY

High-reliability
electrical connections
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TECHNOLOGY & INNOVATION

The right solution to capture energy quickly and safely

An innovative product that allows you to get electric power quickly and in complete safety.

Our TH370 plug&socket insulation piercing connector is the winning solution for the illuminating engineering industry in terms of quality and reliability. The installation time is considerably reduced and the safety of the system is guaranteed by the degree of protection IP68 (maximum protection from dust and water).

This connector is particularly suitable for decorative lighting and illuminations.



Plug&socket connector with Cable Clamp

Quick and intuitive



WITH INSULATION PIERCING SYSTEM

The cable does not need to be stripped. The piercing point screw and manual rotation of the pointer guarantee the piercing of rubber and PVC cables.



WITHOUT TOOLS

Installation can be performed quickly and safely without using any tools.

INTUITIVE CABLING

Only few steps are needed to pierce the cable.



Scan the QR code to **watch the video** and **find out all about TH370**.

1 QUICK



It gets electric power from the main cable throughout the system. It gives power to plug&socket connectors on branch cables quickly.

2 FLEXIBLE



It can be re-used several times. The connector is available with a closure cap to guarantee maximum flexibility of use.

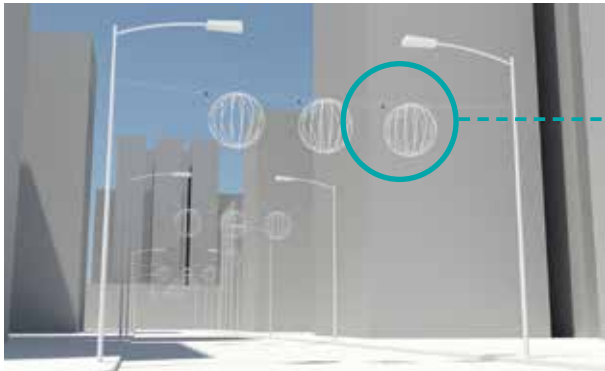
3 DUST AND WATER-PROOF



IP68

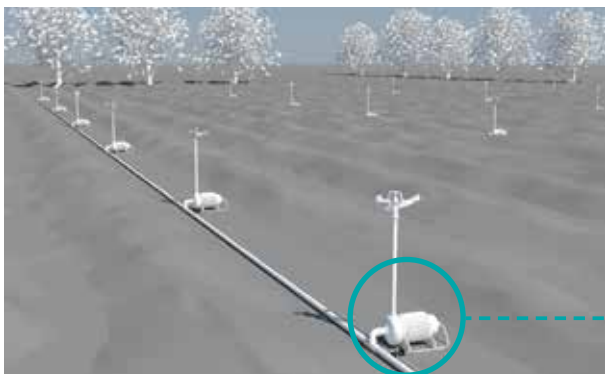
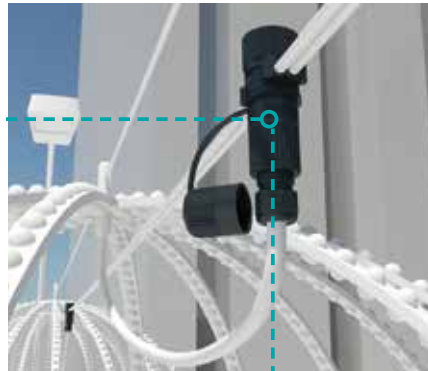
It can be installed outdoor. Resistant to water and dust. Maximum degree of protection IP68.

Possible applications



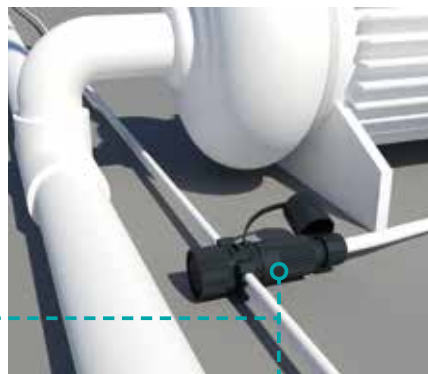
DECORATIVE LIGHTING

Suitable for the connection of illuminations. Its quick cabling and easy use make its installation possible also in inconvenient positions.



IRRIGATION SYSTEMS

The plug&socket connector with Cable Clamp TH370 can be used for the distribution of electricity up to 17.5A in applications where waterproofing is fundamental to ensure the reliability of the system.



POWER MODULES

Thanks to its compact dimensions the plug&socket connector with Cable Clamp TH370 facilitates the connection of modular systems even where the space provided is very small.



Technical specifications and codes



TESTED BY



Code ⁽¹⁾	THR.370.A2A
Number of poles	2
Current	17.5A
Voltage	400V AC
Impulse withstand voltage	4kV
Resistance information	
Degree of protection IP	IP65/IP68 * * Product tested IP68 (5m/1h) positive with cables H07RN-F 1G4/1G2.5 and cables FG70R 1x2.5
Information on main cable ⁽²⁾ – 2 single-pole cables	
Flexible cable section min-max	2.5 mm ² - 4.0 mm ²
Cable diameter min-max	6.0 mm - 7.0 mm
Information on branch cable – 2-poles cable	
Flexible or rigid cable section min-max	0.5 mm ² - 2.5 mm ²
Cable diameter min-max	5.0 mm - 12.0 mm
Materials	
Plastic materials	PA66 GF UL94 V2/V0 GWT 850°C/960°C
Gaskets	TPE-S/Silicone
Contacts	Nickel-brass
Screws	Zinc plated steel
Overvoltage category	II
Pollution degree	2
T marking	T85°C
Operating temperature min-max	-40°C ... +125°C
Tracking index	PTI 175
Properties	Halogen free
Reference regulations	
Regulations	EN60529 - EN60998

⁽¹⁾ Single-packaged product. The kit includes a male connector, a female connector, adaptors for small cables, quick torque wrench and assembly instructions.

⁽²⁾ Versions for cables with section of 4.0 mm² - 6.0 mm² and diameter of 7.0 mm - 8.00 mm are also available. Call our Customer Service for further information +39 031 976445.

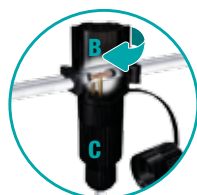
How to install



CABLE PLACEMENT

Divide part A and part B of the connector TH370 and place both single-pole cables into the designated housings of the connector A.

Now couple the two parts A and B.

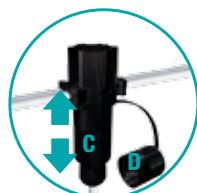


PIERCING AND CONNECTION

Turn part B manually until fully seated (use a tool if necessary).

That way the cables will be pierced and the electrical connection guaranteed.

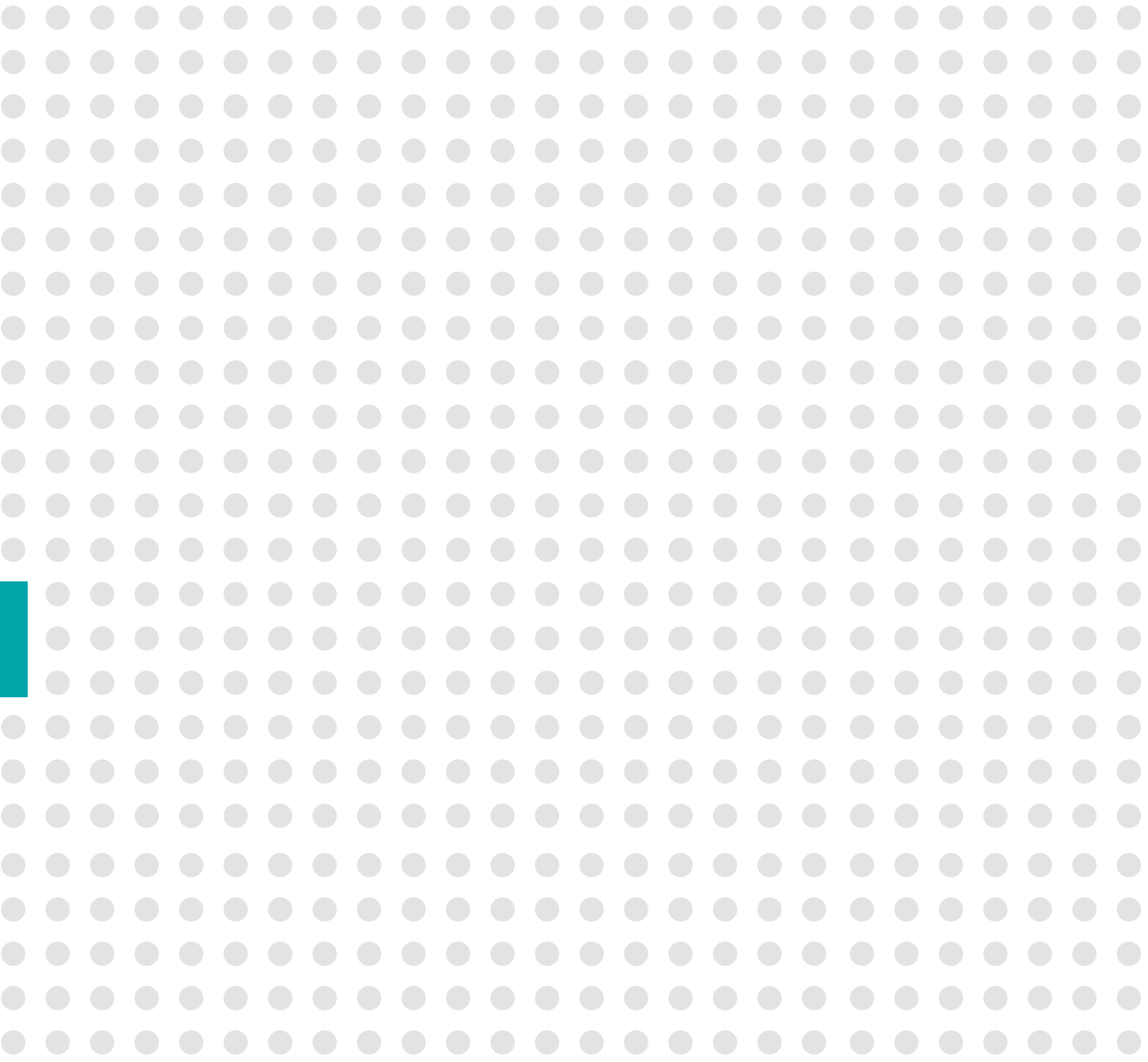
PLEASE NOTE: make sure that connector C is connected before turning part B.



CONNECTION AND DISCONNECTION

Connect and disconnect the plug&socket connector C to give power to the system.

If the plug&socket connector with Cable Clamp is not temporarily used, close it with the provided cap D to ensure protection of the connections against water and dust (IP68).



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