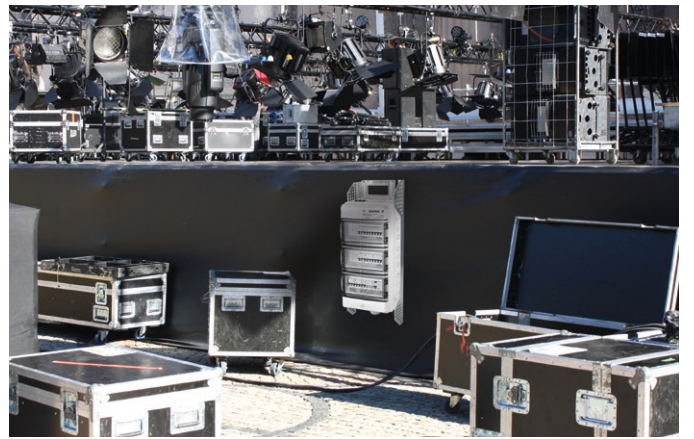




RST® MICRO

MICRO CONNECTION

The innovative plug connector for lighting technology and industrial environments.



PLUGGABLE INSTALLATION WITH HIGH IP PROTECTION.

Wieland is your experienced and reliable partner for efficient electrical solutions. For over 40 years, with our connector systems we have been offering smart products and customized concepts for electrical installations while consistently striving to improve them.

Our round connectors were specially designed for efficient electrical installation in harsh environments and, thanks to their high level of protection in dusty, oily and moist areas of application, enable safe, reliable installation. The new RST® MICRO is therefore used in a wide variety of environments, like industry, event equipment, garden lighting or light advertisements, to name a few.

SPECIAL FEATURES

- + 2- to 3-pole
- + IP69-protected
- + Internal water stop

THE PLUG FOR:

- + SENSORS
- + PUMPS
- + LED TECHNOLOGY
- + LOUDSPEAKER SYSTEMS
- + DISPLAYS
- + LIGHT ADVERTISEMENTS



RST® MICRO.

Miniature connector with maximum IP protection

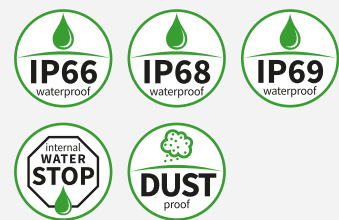
The 2- to 3-pole connector with a diameter of less than 15 mm is currently the smallest in the range for the industry and is optimized for extremely confined spaces.



Figure in original size.

Diameter: 14.9 mm

Length: approx. 40 mm



- + 2- and 3-pole
- + Up to 0.75 mm² wires
- + Max. 250 V/400 V, 8 A
- + Maximum IP protection
- + Mechanical and color coding



Pending:  US LISTED



RINA



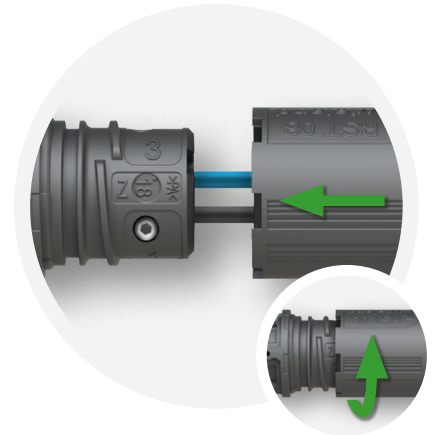
ADDITIONAL PROTECTION DUE TO CONTACT SEAL

Available in barrier seal design, with each single contact featuring internal sealing.



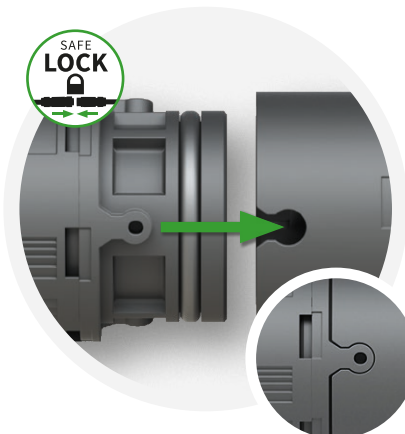
EASY WIRE CONNECTION

With hexagon socket screws the screwdriver can be fastened and the wire can be connected much easier.



CONVENIENT QUICK-RELEASE FASTENER

Attach the sleeve and close it with only half a rotation.



FAST AND RELIABLE CONNECTIONS

The interlock engages the connectors automatically when they are plugged together.



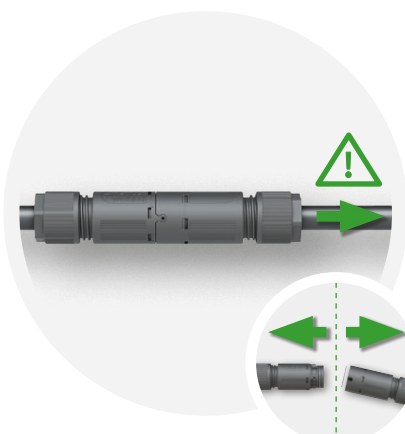
CAN BE INTEGRATED IN EXISTING INSTALLATIONS

Can be integrated in feed-through holes of 14 mm and M14 x 1 threads.



SAFE INSTALLATION THANKS TO MECHANICAL + COLOR CODING

All connectors are coded when they leave the factory, so mismatching is effectively prevented.



SAFETY LOCK

With 60 N the connection guarantees a firm connection. In case of unplanned high tensile load on the connectors, they disengage to avoid the danger of pulling wires out of the contacts.

RST® MICRO APPLICATIONS.

Electrical installations with increased IP protection requirements can be found in industrial environments as well as in building and outdoor applications. Here you can find some examples for the use of RST® MICRO connectors.



PRODUCT VIDEO

The RST® MICRO product video can be found on our Youtube channel.

Scan the QR code – watch the video.



RST® MICRO
The miniature connector for
LED lamps, signals and networks.

LIGHT ADVERTISEMENTS AND DISPLAYS

Light advertisements are an integral component of our cities and help characterize the urban landscape. The possibilities for throwing the spotlight on marketing messages are almost unlimited when done correctly.

With the RST® MICRO you can benefit from a miniature connector that ensures an easy, transparent and high quality connection between ballasts and luminaires for a multitude of lighting applications.

Everything is installed and protected against dirt and moisture in the blink of an eye!



SYSTEM DISTRIBUTORS AND CONTROL CABINETS

The trend for modular design continues to push forward at a rapid rate.

Entire system sections can be pre-assembled and tested independent of the location of operation.

The individual modules are simply plugged together on site. The mechanically and color coded connectors enable extremely short installation times and makes it possible to clearly separate different circuits easily and effectively.

In this way, the RST® MICRO is characterized by its simple design and ease of operation



ELECTRICAL EQUIPMENT AND APPARATUS ENGINEERING

Pluggable connectors have been on the rise for easy commissioning of electrical equipment.

In case of expansions or when replacing faulty devices, the clear advantages of pluggable interfaces can be taken advantage of and quickly appreciated.

The extremely compact RST® MICRO, consisting of M14 connections and device connectors with respective cover caps, is predestined for such tasks and offers unparalleled performance when it comes to IP protection.



TECHNICAL LUMINAIRES WITH SEPARATE BALLAST

The RST® MICRO is optimized for interfacing between voltage, current sources, and LED modules while serving as the ideal solution for dimming or DMX applications.

Thanks to its insulation coordinates, the miniature connector can even be used for mains voltages.



DECORATIVE OUTDOOR LUMINAIRES AND EVENT LIGHTING




















Professional electrical installation plays a crucial role in effective lighting, particularly in case of outdoor installations.

Difficult installation conditions can often lead to mistakes, loss of the degree of protection, and ultimately to a failure of the system.

With its compact and subtle design featuring maximum IP protection, the RST® MICRO is the strong partner of outdoor lighting. The optional water stop also increases failure safety.



RST® SYSTEM OVERVIEW.

	RST® MICRO RST08	RST® MINI RST16
Connectors for power supply to the connector system		
Device connectors are integrated directly into terminals and form the interface to the connector system		
Cable assemblies for transmission and supply of electrical energy or signals		
Distribution blocks for distributing electrical energy or signals within the network	Upon request	
TECHNICAL DATA		
Number of poles Rated current Rated voltage Connector cross section Certificates / approvals	2- and 3-pole 8 A 250 V/400 V 0.25...0.75 mm ²  Pending:    	2- to 5-pole 16 A 250 V/400 V 0.25...1.5 mm ²   Pending:   
Our eShop Scan QR code – view products in the E-SHOP.		

RST® CLASSIC | RST20 / 25



2- to 7-pole
20 A/32 A
250 V/400 V
0.2...6 mm²



RST® POWER | RST50



—

—

4- and 5-pole
50 A
250 V/400 V
6...16 mm²



SYSTEM COMPONENTS

Connectors

Connectors come as male and female connectors complete with strain relief and can be used to connect any current type of cable, they can also be customized on site.

Device connectors

The devices can be easily integrated into the installation by plugging. There are different variants available for each system, from the one-piece standard connection down to the modular versions with different connection threads and output angles.

Cable assemblies

The electrical energy supply is implemented using cable assemblies. There are three different basic versions: Network connections cables are used for power supply to the RST® connector system. They have been prepared for a traditional connection or with a standard plug on the supply side and are pre-assembled with the required female connector on the outgoing side. Extension cables are pre-assembled with a female or male connector on the relevant cable ends, and serve as a feed-through wiring solution. The connection cable is pre-assembled with a male connector and a free end for wiring to the respective consumer device.

Distribution blocks

Distribution blocks have a central position in the electrical infrastructure. They are used for energy or signal distribution and are connected in parallel or in series.

RST® MICRO | ORDERING OVERVIEW

FEMALE CONNECTOR



Color of coding	Application	Pole marking	Art. No.	Art. No.	PU
			Without contact seal	With contact seal	
● Black	250/400V	1, 2/N, PE	41.031.3053.1	4L.031.3053.1	1
● Black	250/400V	1, 2/N ¹⁾	41.021.3043.1	4L.021.3043.1	1
● light blue	250/400V	1, 2/N, 3	41.031.3043.9	4L.031.3043.9	1
● light blue	250/400V	1, 2/N ¹⁾	41.021.3043.9	4L.021.3043.9	1
● slate gray	~50/-120V	1, 2, 3	41.031.3041.4	4L.031.3041.4	1
● slate gray	~50/-120V	1, 2 ¹⁾	41.021.3041.4	4L.021.3041.4	1
● pebble gray	~50/-120V	1, 2, PE	41.031.3041.8	4L.031.3041.8	1
● pebble gray	~50/-120V	1, 2 ¹⁾	41.021.3041.8	4L.021.3041.8	1

MALE CONNECTOR



Color of coding	Application	Pole marking	Art. No.	Art. No.	PU
			Without contact seal	With contact seal	
● Black	250/400V	1, 2/N, PE	41.032.3053.1	4L.032.3053.1	1
● Black	250/400V	1, 2/N ¹⁾	41.022.3043.1	4L.022.3043.1	1
● light blue	250/400V	1, 2/N, 3	41.032.3043.9	4L.032.3043.9	1
● light blue	250/400V	1, 2/N ¹⁾	41.022.3043.9	4L.022.3043.9	1
● slate gray	~50/-120V	1, 2, 3	41.032.3041.4	4L.032.3041.4	1
● slate gray	~50/-120V	1, 2 ¹⁾	41.022.3041.4	4L.022.3041.4	1
● pebble gray	~50/-120V	1, 2, PE	41.032.3041.8	4L.032.3041.8	1
● pebble gray	~50/-120V	1, 2 ¹⁾	41.022.3041.8	4L.022.3041.8	1

DEVICE CONNECTOR M14 FEMALE CONNECTOR



Color of coding	Application	Pole marking	Art. No.	Art. No.	PU
			Without contact seal	With contact seal	
● Black	250/400V	1, 2/N, PE	41.031.4053.1	4L.031.4053.1	1
● Black	250/400V	1, 2/N ¹⁾	41.021.4043.1	4L.021.4043.1	1
● light blue	250/400V	1, 2/N, 3	41.031.4043.9	4L.031.4043.9	1
● light blue	250/400V	1, 2/N ¹⁾	41.021.4043.9	4L.021.4043.9	1
● slate gray	~50/-120V	1, 2, 3	41.031.4041.4	4L.031.4041.4	1
● slate gray	~50/-120V	1, 2 ¹⁾	41.021.4041.4	4L.021.4041.4	1
● pebble gray	~50/-120V	1, 2, PE	41.031.4041.8	4L.031.4041.8	1
● pebble gray	~50/-120V	1, 2 ¹⁾	41.021.4041.8	4L.021.4041.8	1

DEVICE CONNECTOR M14 MALE CONNECTOR



Color of coding	Application	Pole marking	Art. No.	Art. No.	PU
			Without contact seal	With contact seal	
● Black	250/400V	1, 2/N, PE	41.032.4053.1	4L.032.4053.1	1
● Black	250/400V	1, 2/N ¹⁾	41.022.4043.1	4L.022.4043.1	1
● light blue	250/400V	1, 2/N, 3	41.032.4043.9	4L.032.4043.9	1
● light blue	250/400V	1, 2/N ¹⁾	41.022.4043.9	4L.022.4043.9	1
● slate gray	~50/-120V	1, 2, 3	41.032.4041.4	4L.032.4041.4	1
● slate gray	~50/-120V	1, 2 ¹⁾	41.022.4041.4	4L.022.4041.4	1
● pebble gray	~50/-120V	1, 2, PE	41.032.4041.8	4L.032.4041.8	1
● pebble gray	~50/-120V	1, 2 ¹⁾	41.022.4041.8	4L.022.4041.8	1

ACCESSORIES



Cover piece



Pin wrench



Hexagon screwdriver



Sample case

Name	Description	Art. No.	PU
Cover piece, female	With mounting strap for snapping on	06.563.5053.1	1
Cover piece, male	With mounting strap for snapping on	06.563.5153.1	1
Pin wrench	For connecting the wire	06.502.6100.0	1
Hexagon screwdriver	For connecting the wire	06.502.6300.0	5
Sample case	Content: 3-pole connectors and device connectors in all codings, each as female and male versions, the respective cover pieces and screwdrivers	99.431.0000.1	1

¹⁾ One pole unassigned



INFOS TO GO.



OUR WIELAND BROCHURES SERVICE

To make life easier for you, we offer all our product catalogs and industry brochures in the downloads section of our website.

<https://www.wieland-electric.com/en/support/downloads>

For more detailed information we recommend:



RST® CATALOG

Pluggable electrical installations with the highest IP rating (IP6x).

Art. No. 0690.1



RST® APPLICATION BROCHURE

Safe solutions for connecting outdoor areas or damp spaces.

Art. No. 0698.1



RST® INSTALLATION NOTES

Electrical installation instructions for outdoor areas.

Art. No. 0693.1



WIELAND ON YOUTUBE
FIND OUT MORE
ABOUT OUR SOLUTIONS

<https://www.youtube.com/user/WielandElectric>



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wieland

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