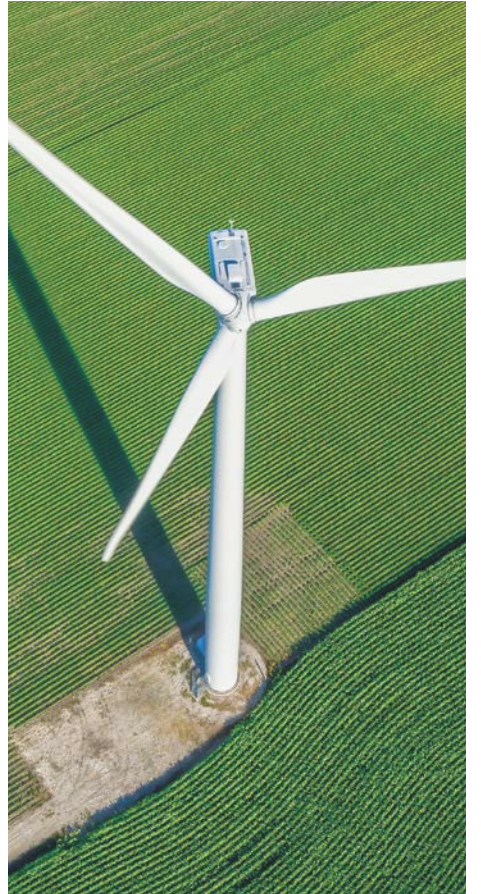




RST® MICRO

# MICRO CONNECTION

The innovative electrical installation system for lighting technology and the industrial environment.



# 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 installation. The new RST® MICRO is therefore used in a wide variety of environments, like industry, event equipment, garden lighting or light advertisements.

## 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

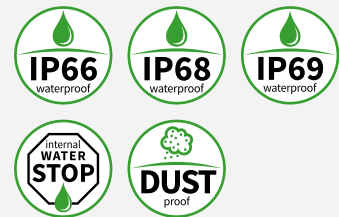
The 2 to 3-pole connector with a diameter of less than 15 mm is currently the smallest in the range and is optimized for extremely confined spaces.



Figure in original size.

Diameter: 14.9 mm

Length: approx. 40 mm



- + 2 and 3-pole
- + Up to 1.00 mm<sup>2</sup> wires
- + Max. 250 V/400 V, 8 A
- + Maximum IP protection
- + Mechanical and color-coding



Pending:  US LISTED



RINA



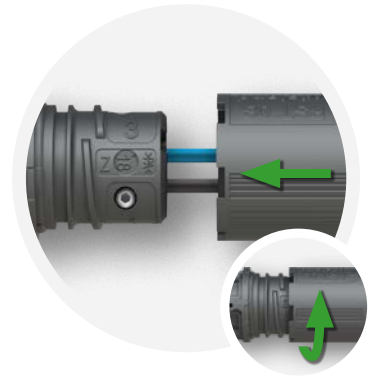
### ADDITIONAL PROTECTION DUE TO CONTACT SEAL

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.



### FLEXIBLE INSTALLING

Distribution blocks in serial and parallel versions and with two or three outputs.



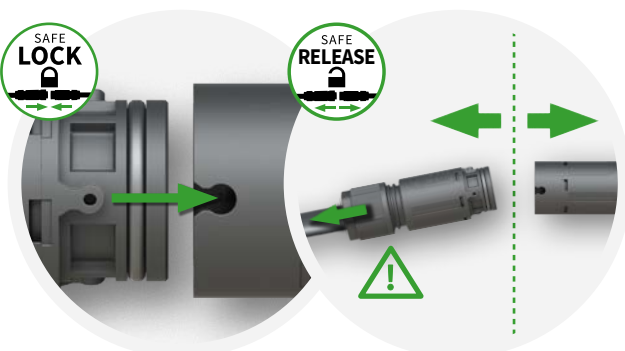
### CAN BE INTEGRATED IN EXISTING INSTALLATIONS

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.



### FAST AND RELIABLE CONNECTIONS WITH SAFETY LOCK

The locking mechanism automatically latches the connectors when they are plugged together and guarantees a secure hold with 60 N. 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. 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 characterize the urban landscape. The possibilities for throwing the spotlight on marketing messages are almost unlimited.

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

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



## SYSTEM DISTRIBUTORS AND CONTROL CABINETS

The trend for modular design continues consistently.

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

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

In this, the RST® MICRO is characterized by its simple design and easy operation.



## **ELECTRICAL EQUIPMENT AND APPARATUS ENGINEERING**

Pluggable connectors have been on the rise for an 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.

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 the interfaces between voltage and current sources and LED modules, and is also 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**





















The professional electrical installation plays a crucial role, particularly in case of outdoor installations.

Difficult installation conditions often lead to mistakes, loss of the degree of protection, and ultimately to 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 reduces the risk of failure.



# RST® SYSTEM OVERVIEW

	RST® MICRO   RST08	RST® MINI   RST16
<b>Connector</b> for power supply to the connector system		
<b>Device connectors</b> are integrated directly into terminals and form the interface to the connector system		
<b>Cable assemblies</b> for transmission and supply of electrical energy or signals		
<b>Distribution blocks</b> for distributing electrical energy or signals within the network		
<b>TECHNICAL DATA</b>	2 and 3-pole 8 A 250 V/400 V 0.25...1.00 mm <sup>2</sup>  Pending:    RINA 	2 to 5-pole 16A 250 V/400 V 0.25...2.5 mm <sup>2</sup>   Pending:   RINA 
<b>Our eShop</b> Scan QR code – view products in the E-SHOP.		



## RST® CLASSIC | RST20 / 25



2-pole to 7-pole  
20 A/32 A  
250 V/400 V  
0.2...6 mm<sup>2</sup>



## RST® POWER | RST50



4 and 5-pole  
50 A  
250 V/400 V  
6...16 mm<sup>2</sup>



## SYSTEM COMPONENTS

### Connector

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

### Device connectors

The devices can be easily plugged into the installation on site. 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 connection cables are used for power supply to the RST® connector system. They are prepared for a conventional connection on the supply side or equipped with a Schuko plug and assembled with the necessary female connector on the output side. Extension cables are pre-assembled with a female or male connector on the relevant cable ends, and serve as a feedthrough wiring solution. The final feed to the end device is provided by the device connection cable, which is manufactured with a male connector and a prepared free cable end.

### Distribution blocks

Distribution blocks have a central position in the electrical infrastructure. They are used for energy or signal distribution. The distribution block is wired in parallel or series.

# RST® MICRO | ORDERING OVERVIEW

## FEMALE CONNECTOR



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

## MALE CONNECTOR



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

## DEVICE CONNECTOR M14 FEMALE CONNECTOR



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



## INFO TO GO

All Wieland Electric brochures are available for download under:

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

# RST® MICRO | ORDERING OVERVIEW

## DEVICE CONNECTOR M14 MALE CONNECTOR



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

## DISTRIBUTION BLOCK



Color of coding	Application	Pole marking	Part No.	Part No.
			1 input / 2 outputs	1 input / 3 outputs
● Black	250/400V	1, 2/N, PE	4L.030.1153.1	4L.030.0153.1
● Black	250/400V	1, 2/N <sup>1)</sup>	4L.020.1143.1	4L.020.0143.1
● light blue	250/400V	1, 2/N, 3	4L.030.1143.9	4L.030.0143.9
● light blue	250/400V	1, 2/N <sup>1)</sup>	4L.020.1143.9	4L.020.0143.9
● slate gray	~50/-120V	1, 2, 3	4L.030.1141.4	4L.030.0141.4
● slate gray	~50/-120V	1, 2 <sup>1)</sup>	4L.020.1141.4	4L.020.0141.4
● pebble gray	~50/-120V	1, 2, PE	4L.030.1351.8	4L.030.0351.8
● pebble gray	~50/-120V	1, 2 <sup>1)</sup>	4L.020.1241.8	4L.020.0241.8

## ACCESSORIES



Cover piece



Pin wrench



Hexagon screwdriver



Sample case

Name	Description	Part No.
Cover piece, female	With mounting strap for snapping on	06.563.5053.1
Cover piece, male	With mounting strap for snapping on	06.563.5153.1
Pin wrench	For connecting the wire	06.502.6100.0
Hexagon screwdriver	For connecting the wire	06.502.6300.0
Sample case	Contents: 3- and 2-pole variants in slate-gray and light-blue coding, connectors and device terminals, each in male and female versions, as well as 3-pole 1I/30 and 1I/20 distribution block, locking pieces and screwdrivers.	99.436.0000.1

<sup>1)</sup> One pole unassigned

### RST® CATALOG

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

Part No. 0690.1



### RST® installation notes

Electrical installation instructions for outdoor areas.

Part No. 0693.1





# wieland

## HEADQUARTERS

Wieland Electric GmbH  
Brennerstraße 10 – 14  
96052 Bamberg · Germany

---

Phone +49 951 9324-0  
Fax +49 951 9324-198  
info@wieland-electric.com



0697.1 D 08/21

Represented in over 70 countries worldwide:

[www.wieland-electric.com](http://www.wieland-electric.com)