

RST® MICRO

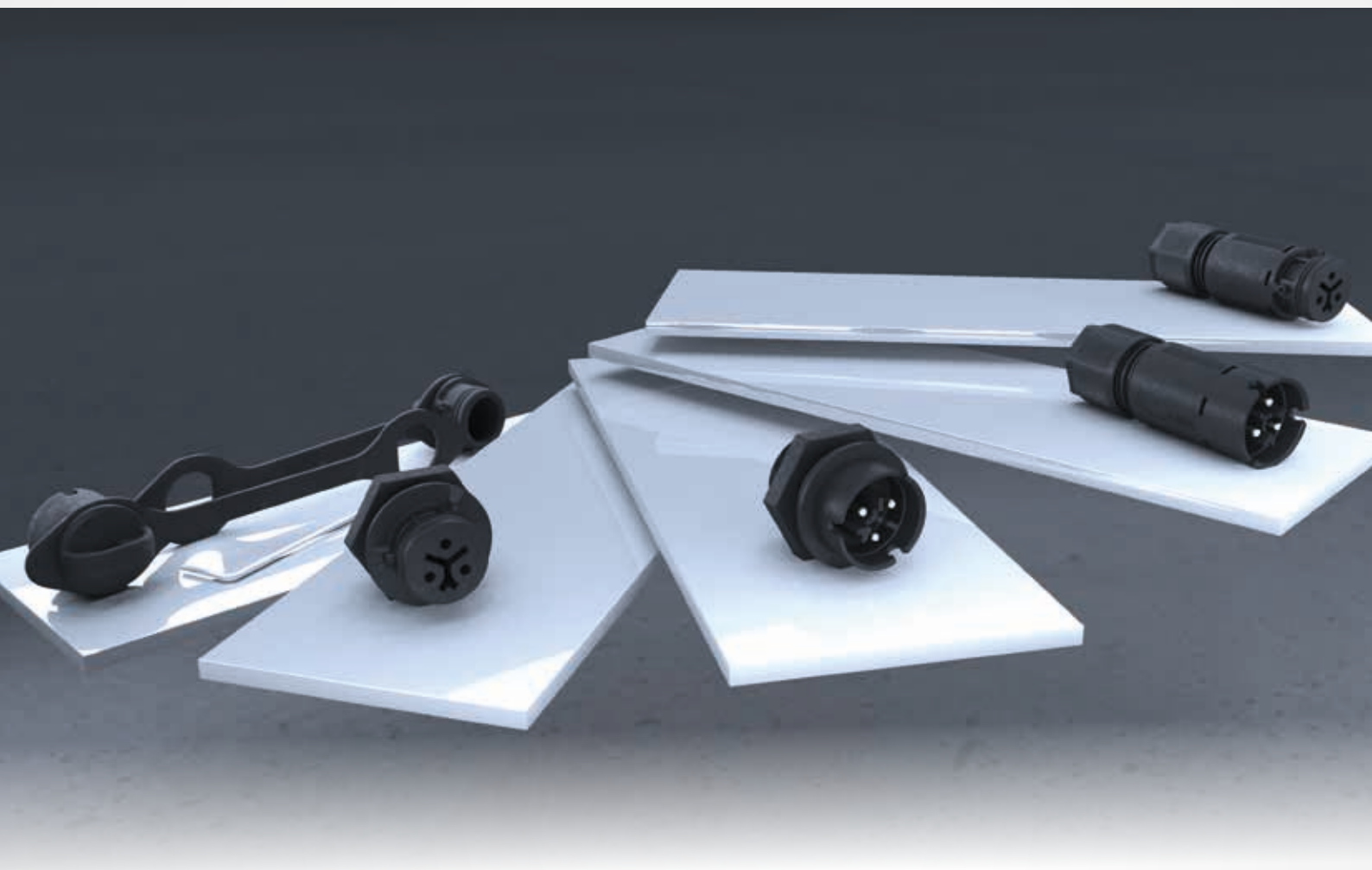
The miniature connector for LED lamps and signals

The **RST®** MICRO is optimized for the interfaces between voltage or current sources and LED modules, and is also the ideal solution for dimming or DMX applications. Thanks to its rated values, network applications are no problem either. The **RST®** MICRO installation system comprises connectors, M14 device connectors, pre-assembled conductors and splitters.

Rated voltage:	250/400 V
Rated current:	8 A
Dimensions:	Diameter: 14.9 mm; Length: approx. 40 mm
Number of poles:	2 and 3
Connection cross section:	Single-stranded 0.2 mm ² - 1.0 mm ² fine-stranded 0.22 mm ² - 0.75 mm ²
Protection rating:	IP66/68 (3m; 2h)/69, barrier seal optional
Coding:	Mechanical and color for low voltages and networks
Approvals pending:	VDE, cULus, LR, GL/DNV, BV, RINA

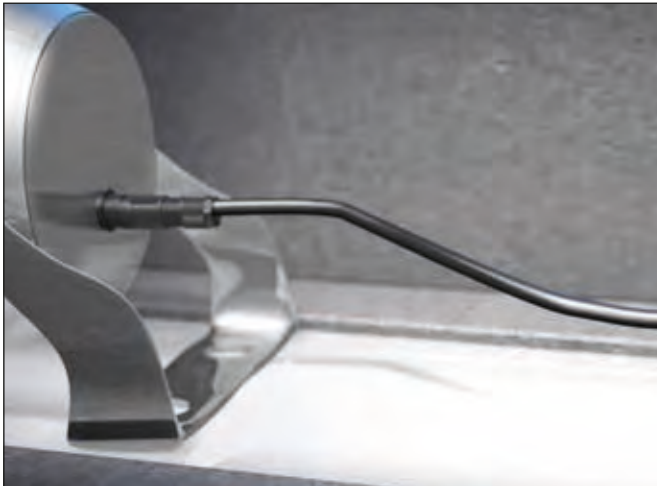


Experience shows Water gets inside the wiring system time and time again. The culprits are incorrectly executed installations, damage to wiring or temperature differences. Before long, the installation is penetrated from the inside by moisture damage. Installed barriers, which stop the water in its tracks, help here. The new **RST08i3** is optionally available with this function, each individual contact being sealed on the inside.



The RST08i2/3 product line – lighting installation, DALI, DMX, applications in the low voltage range (LED technology), loudspeaker applications and network connections

Application example



General

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 the interface between voltage or current sources and LED modules. It is also perfectly suited for dimming or DMX applications. Thanks to its rated values, network applications are no problem either.

The connectors are optionally available in the barrier seal version (water stop).

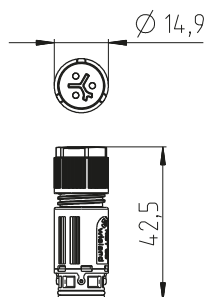
All connectors are mechanically coded. This means only the male/female pairs that belong together can be inserted, with the correct polarity.

Coding

	Rated insulation voltage of the system	250/400V			
	Rated voltage (application)	250V	250V/400V	~50/-120V	~50/-120V
	Mechanical coding (pole assignment of female)				
Name	Description	black	light blue	slate gray	pebble gray
Connector		✓	✓	✓	✓
M14 device connectors		✓	✓	✓	✓
Distributors	Individual distribution box	on request	on request	on request	on request
Cable assemblies	Device connection cable Male – free end	✓	✓	✓	✓
	Connection cable Female – free end	✓	✓	✓	✓
	Extension cable Female – male	✓	✓	✓	✓

Connectors, straight for cables Ø 4 – 7 mm

Female connector



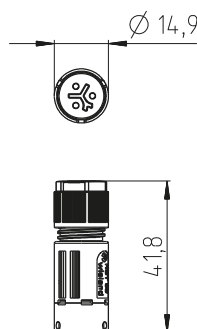
Unmounted with screwed cable gland.
Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.
Cable assemblies on request

Rated values

Rated voltage	250/400V
Rated current	8 A
Rated cross-section	Single-stranded 0.2 mm ² - 1.0 mm ² Fine-stranded 0.22 mm ² - 0.75 mm ²
Approvals	Pending: VDE, cULus, LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Color	Part No.	Part No.
				With screw connection	
				Without contact seal	With contact seal ²⁾
250/400V		1, 2/N, PE	black	41.031.3053.1	4L.031.3053.1
		1, 2/N¹)	black	41.021.3043.1	4L.021.3043.1
		1, 2/N, 3	light blue	41.031.3043.9	4L.031.3043.9
		1, 2/N¹)	light blue	41.021.3043.9	4L.021.3043.9
~50/-120V		1, 2, 3	slate gray	41.031.3041.4	4L.031.3041.4
		1, 2¹)	slate gray	41.021.3041.4	4L.021.3041.4
		1, 2, PE	pebble gray	41.031.3041.8	4L.031.3041.8
		1, 2¹)	pebble gray	41.021.3041.8	4L.021.3041.8

Male connector



Unmounted with screwed cable gland.
Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.
Cable assemblies on request

Rated values

Rated voltage	250/400V
Rated current	8 A
Rated cross-section	Single-stranded 0.2 mm ² - 1.0 mm ² Fine-stranded 0.22 mm ² - 0.75 mm ²
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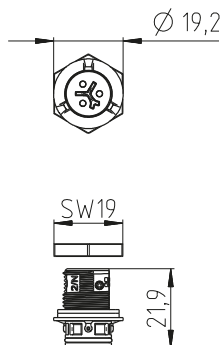
Application	Coding	Pole marking	Color	Part No.	Part No.
				With screw connection	
				Without contact seal	With contact seal ²⁾
250/400V		1, 2/N, PE	black	41.032.3053.1	4L.032.3053.1
		1, 2/N¹)	black	41.022.3043.1	4L.022.3043.1
		1, 2/N, 3	light blue	41.032.3043.9	4L.032.3043.9
		1, 2/N¹)	light blue	41.022.3043.9	4L.022.3043.9
~50/-120V		1, 2, 3	slate gray	41.032.3041.4	4L.032.3041.4
		1, 2¹)	slate gray	41.022.3041.4	4L.022.3041.4
		1, 2, PE	pebble gray	41.032.3041.8	4L.032.3041.8
		1, 2¹)	pebble gray	41.022.3041.8	4L.022.3041.8

¹⁾ One pole unassigned

²⁾ When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector

Device connector M14

Female connector



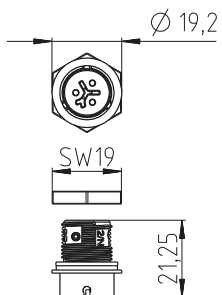
Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.

Rated values

Rated voltage	250/400V
Rated current	8 A
Rated cross-section	Single-stranded 0.2 mm ² - 1.0 mm ² Fine-stranded 0.22 mm ² - 0.75 mm ²
Approvals	Pending: VDE, cULus, LR, DNV/GL, RINA, BV

Application	Coding	Pole marking	Color	Part No.	Part No.
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				Without contact seal	With contact seal ²⁾
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		1, 2/N¹	black	41.021.4043.1	4L.021.4043.1
		1, 2/N, 3	light blue	41.031.4043.9	4L.031.4043.9
		1, 2/N¹	light blue	41.021.4043.9	4L.021.4043.9
~50/-120V		1, 2, 3	slate gray	41.031.4041.4	4L.031.4041.4
		1, 2¹	slate gray	41.021.4041.4	4L.021.4041.4
		1, 2, PE	pebble gray	41.031.4041.8	4L.031.4041.8
		1, 2¹	pebble gray	41.021.4041.8	4L.021.4041.8

Male connector



Suitable pin wrench for the cable connection, Accessories.
For stripping lengths, refer to Technical Specifications.

Rated values

Rated voltage	250/400V
Rated current	8 A
Rated cross-section	Single-stranded 0.2 mm ² - 1.0 mm ² Fine-stranded 0.22 mm ² - 0.75 mm ²
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250/400V		1, 2/N, PE	black	41.032.4053.1	4L.032.4053.1
		1, 2/N¹	black	41.022.4043.1	4L.022.4043.1
		1, 2/N, 3	light blue	41.032.4043.9	4L.032.4043.9
		1, 2/N¹	light blue	41.022.4043.9	4L.022.4043.9
~50/-120V		1, 2, 3	slate gray	41.032.4041.4	4L.032.4041.4
		1, 2¹	slate gray	41.022.4041.4	4L.022.4041.4
		1, 2, PE	pebble gray	41.032.4041.8	4L.032.4041.8
		1, 2¹	pebble gray	41.022.4041.8	4L.022.4041.8

¹⁾ One pole unassigned

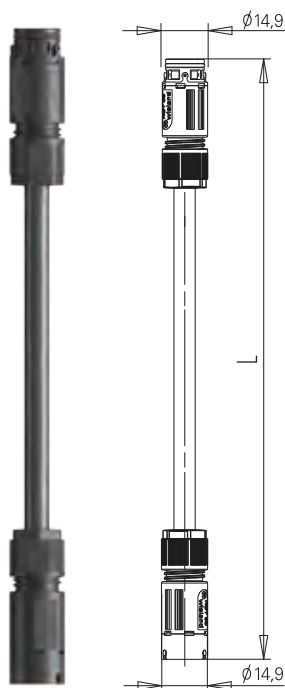
²⁾ When using connectors with contact sealing, use only one connector with contact sealing – either male or female connector





Cable assemblies



0.75 mm²; 6 A

Rated values			Connection type of cable		cable gland
Wire ends	(open cable end)	ultrason. welded	Interlock		integrated
Sheath strip length	(open cable end)	35 mm	Color cable		black
Insulation strip length	(open cable end)	9 mm	Color handle shell		black

Connection cables female – male



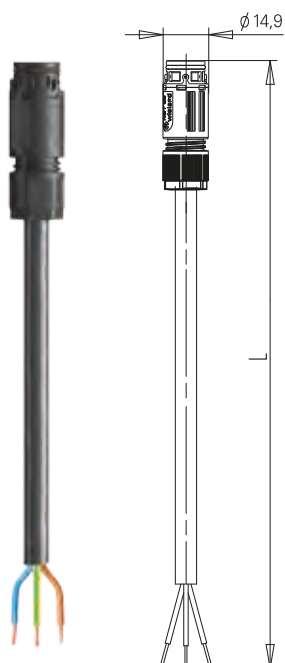
		250V/400V black 2-pole		~50/-120V pebble gray 2-pole		250V/400V light blue 2-pole		~50/-120V slate gray 2-pole	
									
		1 = BN 2/N = BU		1 = BU 2 = BN		1 = BN 2/N = BU		1 = BU 2 = BN	
Cable	Length m	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.427.0530.1	41.427.0532.8	41.427.0530.9	41.427.0532.4				
	1	41.427.1030.1	41.427.1032.8	41.427.1030.9	41.427.1032.4				
	1.5	41.427.1530.1	41.427.1532.8	41.427.1530.9	41.427.1532.4				
	2	41.427.2030.1	41.427.2032.8	41.427.2030.9	41.427.2032.4				
	2.5	41.427.2530.1	41.427.2532.8	41.427.2530.9	41.427.2532.4				
	3	41.427.3030.1	41.427.3032.8	41.427.3030.9	41.427.3032.4				
	4	41.427.4030.1	41.427.4032.8	41.427.4030.9	41.427.4032.4				





		250V/400V black 3-pole		~50/-120V pebble gray 3-pole	
					
		1 = BN 2/N = BU PE = GN/YE		1 = BU 2 = BN PE = GN/YE	
Cable	Length m	Part No.	Part No.	Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.437.0530.1	41.437.0532.8		
	1	41.437.1030.1	41.437.1032.8		
	1.5	41.437.1530.1	41.437.1532.8		
	2	41.437.2030.1	41.437.2032.8		
	2.5	41.437.2530.1	41.437.2532.8		
	3	41.437.3030.1	41.437.3032.8		
	4	41.437.4030.1	41.437.4032.8		



2-pole connectors – one pole is not configured.

With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.

Connection cables female – free end



		250V/400V black 2-pole		~50/-120V pebble gray 2-pole		250V/400V light blue 2-pole		~50/-120V slate gray 2-pole	
									
		1 = BN 2/N = BU		1 = BU 2 = BN		1 = BN 2/N = BU		1 = BU 2 = BN	
Cable	Length m	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.427.0533.1	41.427.0537.8	41.427.0533.9	41.427.0537.4				
	1	41.427.1033.1	41.427.1037.8	41.427.1033.9	41.427.1037.4				
	1.5	41.427.1533.1	41.427.1537.8	41.427.1533.9	41.427.1537.4				
	2	41.427.2033.1	41.427.2037.8	41.427.2033.9	41.427.2037.4				
	2.5	41.427.2533.1	41.427.2537.8	41.427.2533.9	41.427.2537.4				
	3	41.427.3033.1	41.427.3037.8	41.427.3033.9	41.427.3037.4				
	4	41.427.4033.1	41.427.4037.8	41.427.4033.9	41.427.4037.4				

		250V/400V black 3-pole		~50/-120V pebble gray 3-pole	
					
		1 = BN 2/N = BU PE = GN/YE		1 = BU 2 = BN PE = GN/YE	
Cable	Length m	Part No.	Part No.	Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.437.0533.1	41.437.0537.8		
	1	41.437.1033.1	41.437.1037.8		
	1.5	41.437.1533.1	41.437.1537.8		
	2	41.437.2033.1	41.437.2037.8		
	2.5	41.437.2533.1	41.437.2537.8		
	3	41.437.3033.1	41.437.3037.8		
	4	41.437.4033.1	41.437.4037.8		

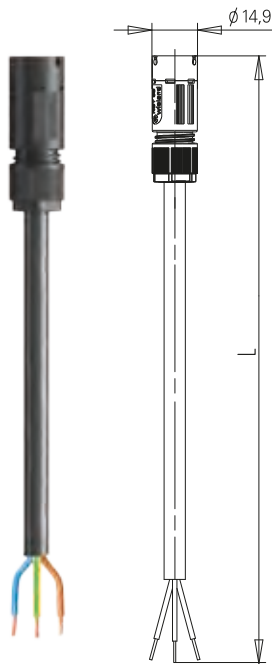
2-pole connectors – one pole is not configured.





With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.



Cable assemblies

0.75 mm²; 6 A

Connection cables male – free end



		250V/400V black 2-pole	~50/-120V pebble gray 2-pole	250V/400V light blue 2-pole	~50/-120V slate gray 2-pole
			 1 = BN 2/N = BU	 1 = BU 2 = BN	 1 = BU 2 = BN
Cable	Length m	Part No.	Part No.	Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.427.0534.1	41.427.0538.8	41.427.0534.9	41.427.0538.4
	1	41.427.1034.1	41.427.1038.8	41.427.1034.9	41.427.1038.4
	1.5	41.427.1534.1	41.427.1538.8	41.427.1534.9	41.427.1538.4
	2	41.427.2034.1	41.427.2038.8	41.427.2034.9	41.427.2038.4
	2.5	41.427.2534.1	41.427.2538.8	41.427.2534.9	41.427.2538.4
	3	41.427.3034.1	41.427.3038.8	41.427.3034.9	41.427.3038.4
	4	41.427.4034.1	41.427.4038.8	41.427.4034.9	41.427.4038.4

		250V/400V black 3-pole	~50/-120V pebble gray 3-pole
		 1 = BN 2/N = BU PE = GN/YE	 1 = BU 2 = BN PE = GN/YE
Cable	Length m	Part No.	Part No.
Rubber-sheathed cable H05RN-F containing halogen	0.5	41.437.0534.1	41.437.0538.8
	1	41.437.1034.1	41.437.1038.8
	1.5	41.437.1534.1	41.437.1538.8
	2	41.437.2034.1	41.437.2038.8
	2.5	41.437.2534.1	41.437.2538.8
	3	41.437.3034.1	41.437.3038.8
	4	41.437.4034.1	41.437.4038.8

2-pole connectors – one pole is not configured.

With contact seal: please choose 4L.XXX.XXXX.X instead of 41.XXX.XXXX.X.


Accessories

Cover pieces

For the safe closure of female and male connectors.
With mounting strap for snapping on

for female


for male



Color	for female	for male
<div><div></div>black</div>	Part No. 06.563.5053.1	Part No. 06.563.5153.1

Pin wrench

for **RST®** MICRO screw terminals



Name	Part No.
Pin wrench	06.502.6100.0

Hexagonal wrench

for **RST®** MICRO screw terminals



Name	Part No.
Wrench Std. Pack 5	06.502.6300.0

Sample kit

Contents: Connectors and device connectors in all codings, cover cap
an hexagonal wrench

Name	Part No.
Sample kit Available from Q4 2018	99.431.0000.1

Technical Specifications **RST**[®] MICRO

	RST08i2/3
Rated voltage	250/400V
Rated current	8A
Number of poles	2/3

Connector temperature range:

- 40°C to 100°C

Material:

Contact parts: Brass surface-treated
housing parts: Polyamide, halogen-free, V0, f1
seal material: NBR

Pollution degree:

3 (when inserted)

Protection rating:

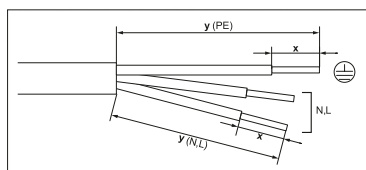
IP66/68 (3m; 2h)/69, barrier seal optional

Approvals:

Pending: VDE (acc. to IEC 61984), cULus, LR, DNV/GL, RINA, BV

Wire strip lengths

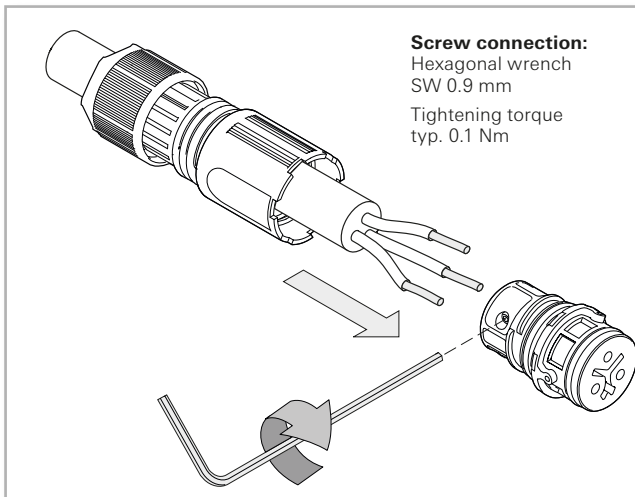
Fine-stranded (suitable for ferrules)



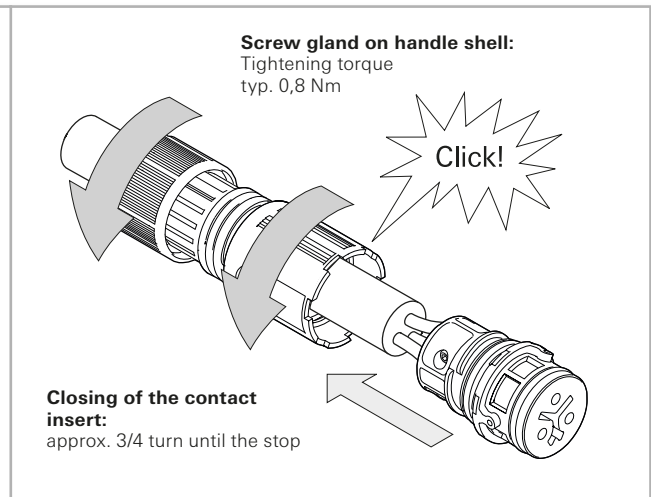
Conductor	PE	N, L
Sheath strip length y (in mm)	19	18
Wire strip length x (mm)	6	6

Connectors 2-/3-pole

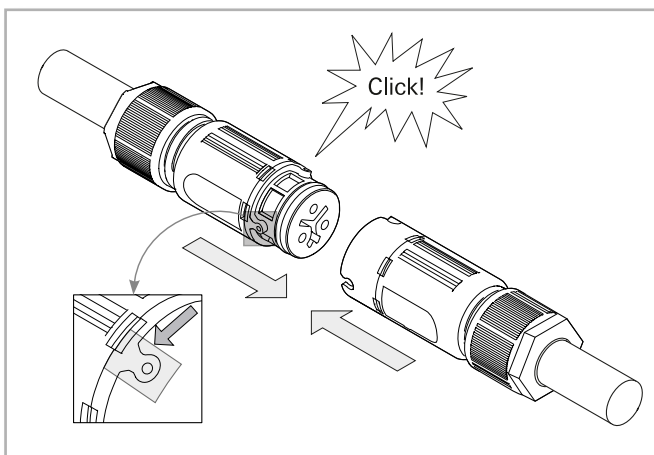
Wire connection



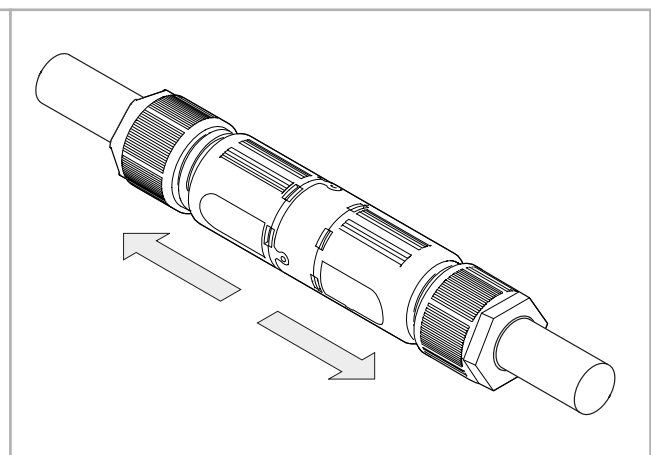
Closing the connector



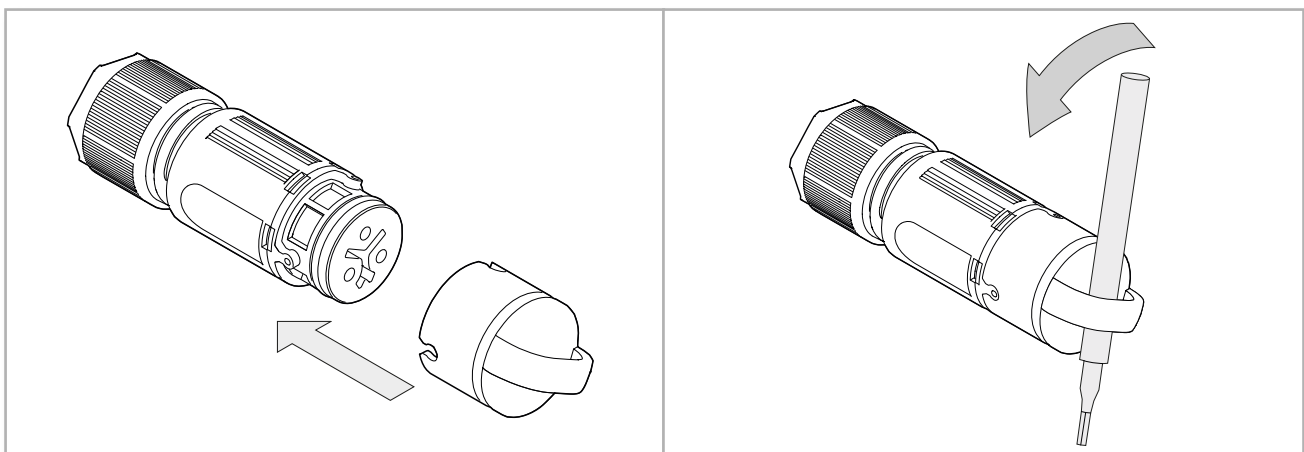
Plugging and locking



Unlocking and separating



Opening the connector

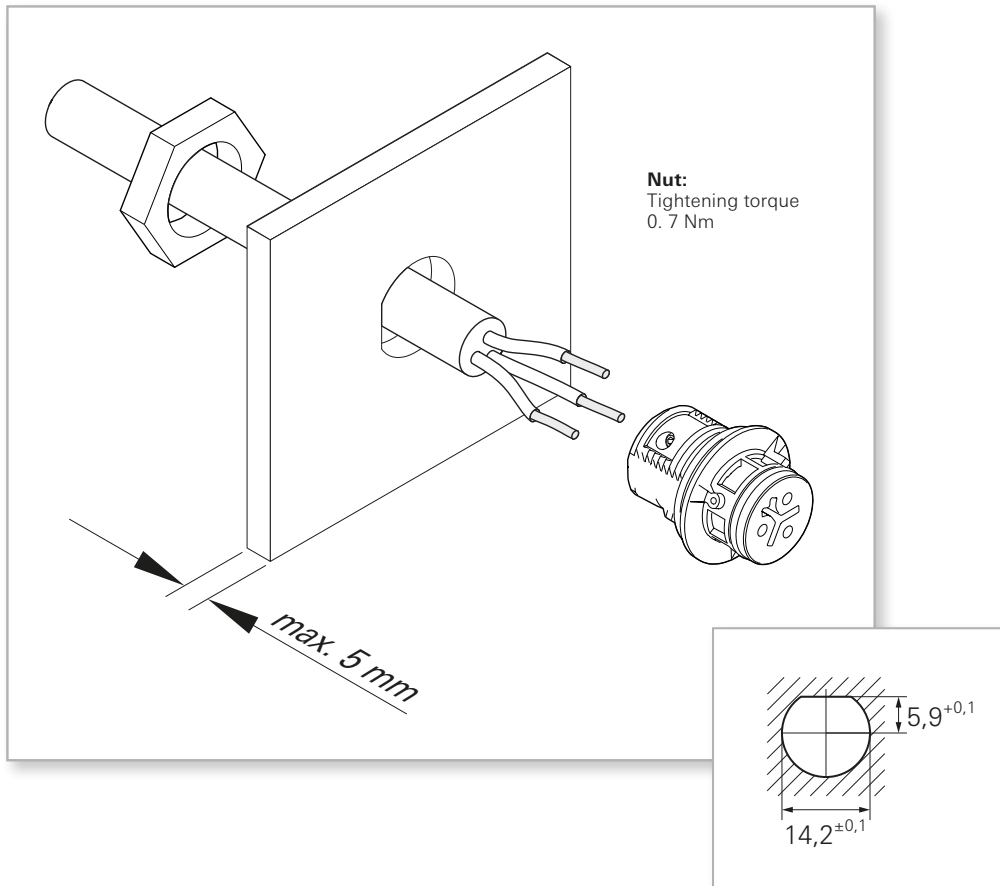


The corresponding installation instruction BA001157 can be found online in the download section of the respective product under: eshop.wieland-electric.com

Device connections 2-/3-pole

Housing installation with M14 feedthrough

Dimensions in mm



The corresponding installation instruction BA001157 can be found online in the download section of the respective product under: eshop.wieland-electric.com