



RST® DIRECT

MAXIMUM **EFFICIENCY**

Simply safe. Simply comfortable. Simply direct.

THE INNOVATIVE DIRECT CONNECTION FOR MAXIMUM OPERATIONAL RELIABILITY.

Wieland is your trusted and experienced partner for efficient electrical installations. For more than 50 years, we have been developing pluggable systems that significantly simplify planning, installation, and operation – even in demanding environments with high IP protection requirements.

RST® DIRECT brings speed, safety, and protection to device connections and cable connections – for luminaires and a wide range of other electrical applications. Unlike a conventional plug connection, the device is integrated directly into the existing infrastructure without the need to open it for electrical connection. This simplifies processes, protects warranties, and, thanks to a robust connection housing with defined strain relief, ensures a long-term reliable installation – even under harsh conditions.

YOUR ADVANTAGES:

- + HIGHEST IP PROTECTION
- + INTERNAL WATERSTOP
- + MODULAR DESIGN – MAXIMUM FLEXIBILITY
- + TOOLLESS CONDUCTOR CONNECTION
- + CLEAR POLE MARKINGS

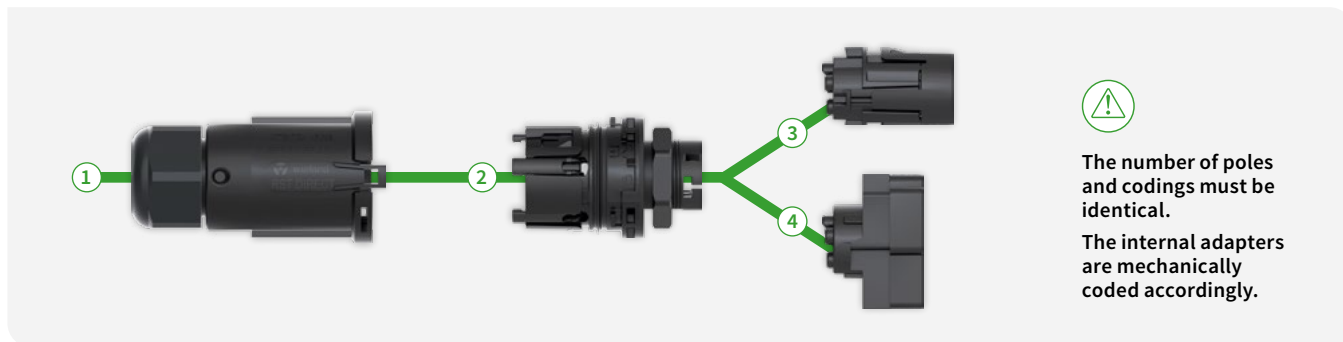


FEATURES

- + 3- and 5-pole versions
- + Rated voltage 250 V / 400 V, UL 600 V
- + Rated current up to 16 A
- + Connection cross-section 0.5 mm² - 2.5 mm²
- + M20 connection thread

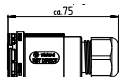


RST® DIRECT DEVICE CONNECTION | ORDER OVERVIEW



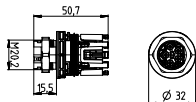
① STRAIN RELIEF HOUSING

(delivered pre-assembled)



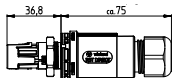
Color	Cable diameter	Art. No.
Black	6 - 10 mm	48.000.0100.1
Black	10 - 14 mm	48.000.0300.1
Light gray	6 - 10 mm	48.000.0100.0
Light gray	10 - 14 mm	48.000.0300.0

② EXTERNAL ADAPTER M20



Number of poles	Coding	Pole marking	Art. No.
3-pole*	Code 1	L, N, PE	48.153.1031.1
3-pole*	Code 2	1, 2, 3	48.153.1032.1
3-pole*	Code 3	1, 2, PE	48.153.1033.1
5-pole	Code 1	1, 2, 3, N, PE	48.152.1011.1
5-pole	Code 2	1, 2, 3, 4, 5	48.152.1012.1
5-pole	Code 3	L, N, PE, 1, 2	48.152.1013.1

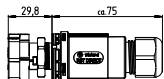
③ INTERNAL ADAPTER 1 TERMINATION PER POLE



Number of poles	Coding	Pole marking	Art. No.
3-pole*	Code 1	L, N, PE	49.153.0031.1
3-pole*	Code 2	1, 2, 3	49.153.0032.1
3-pole*	Code 3	1, 2, PE	49.153.0033.1
5-pole	Code 1	1, 2, 3, N, PE	49.152.0011.1
5-pole	Code 2	1, 2, 3, 4, 5	49.152.0012.1
5-pole	Code 3	L, N, PE, 1, 2	49.152.0013.1

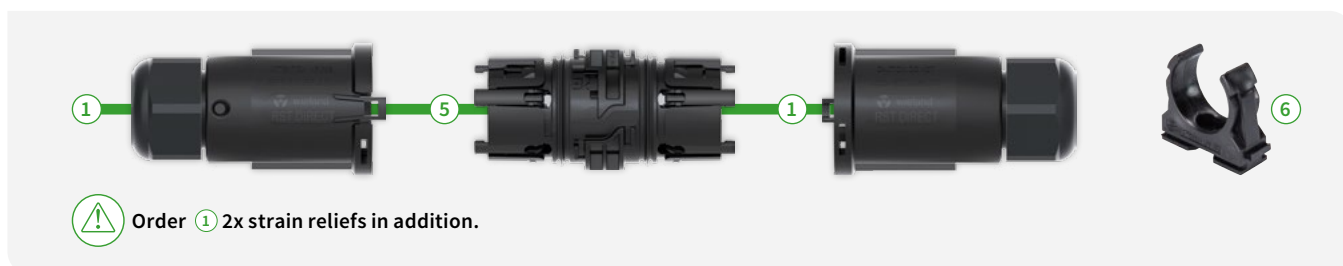
④ INTERNAL ADAPTER 2 TERMINATIONS PER POLE

(ideal for through-wiring)



Number of poles	Coding	Pole marking	Art. No.
3-pole*	Code 1	L, N, PE	49.253.0031.1
3-pole*	Code 2	1, 2, 3	49.253.0032.1
3-pole*	Code 3	1, 2, PE	49.253.0033.1
5-pole	Code 1	1, 2, 3, N, PE	49.252.0011.1
5-pole	Code 2	1, 2, 3, 4, 5	49.252.0012.1
5-pole	Code 3	L, N, PE, 1, 2	49.252.0013.1

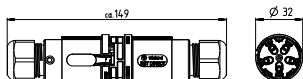
RST® DIRECT CABLE CONNECTION | ORDER OVERVIEW



⚠ Order ① 2x strain reliefs in addition.

⑤ CABLE CONNECTION

(2x ① strain reliefs required)



Number of poles	Coding	Pole marking	Art. No.
3-pole*	Code 1	L(1), N(2), PE	48.151.0030.1
3-pole*	Code 2	1, 2(N), 3	48.151.0034.1
5-pole	Code 1	1, 2, 3, 4(N), PE	48.151.0010.1
5-pole	Code 2	1, 2, 3, 4(N), 5	48.151.0014.1

⑥ MOUNTING CLAMP

(for cable connection)

Type	Art. No.
32 mm mounting clamp for RST® DIRECT cable connection	F0.000.0056.4

*reduced contact placement of the 5-pole housing

RST® DIRECT – FEATURES AT A GLANCE

INTERNAL ADAPTER

RST®DIRECT internal adapters with push-in connectors offer exceptional flexibility for device connections and are ideally suited for automated or robot-based wiring. Two variants are available, depending on the application.

Variant 1 Internal adapter with one termination point per pole for compact single connections

Variant 2 Internal adapter with two termination per pole for convenient through-wiring



CABLE CONNECTION

The cable connection is the practical RST®DIRECT variant for extensions, repairs, and retrofits – for example, in the event of a cable damage or when devices need to be integrated using short cable sections. It enables a fast, simple, and reliable connection, minimizes downtime, and restores existing installations to operation with minimal effort.

INTERNAL WATERSTOP

The integrated waterstop reliably protects water seal in the RST®DIRECT cable reliably protects against so-called longitudinal water – moisture that enters the cable through damaged or punctured conductors and spreads via capillary action to connected devices. Even the smallest cuts can put sensitive equipment at risk. The permanently integrated contact seal prevents moisture from penetrating the contacts, ensuring a safe, long-term protected installation.





SIMPLE WIRE CONNECTION

The lever-operated comfort connection makes wiring with RST® DIRECT particularly easy – completely tool-free and without effort. Solid and stranded conductors up to 2.5 mm² are securely clamped, and the connection can be visually inspected at any time. The lever mechanism provides an audible click and remains reliably secure – ideal for fast installations under time pressure, in confined spaces, or when working overhead, even while wearing gloves.

CLEAR POLE IDENTIFICATION

The clear pole markings of RST® DIRECT ensure maximum safety and fast orientation during wiring – even in poor lighting conditions. Distinct pole markings prevent incompatible versions from being mixed up, minimize reverse polarity, support IEC-compliant installation, and ensure the right solution for every application.



RECONVERSION MADE EASY

RST® DIRECT is particularly easy to integrate into devices: The 3- and 5-pole versions are inserted directly into M20-prepared feedthroughs, enabling smooth transition from conventional solutions. Cable glands provide convenient connection technology without significant effort. Optionally, a flattened section on the thread ensures secure positioning of the device connection.



wieland

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