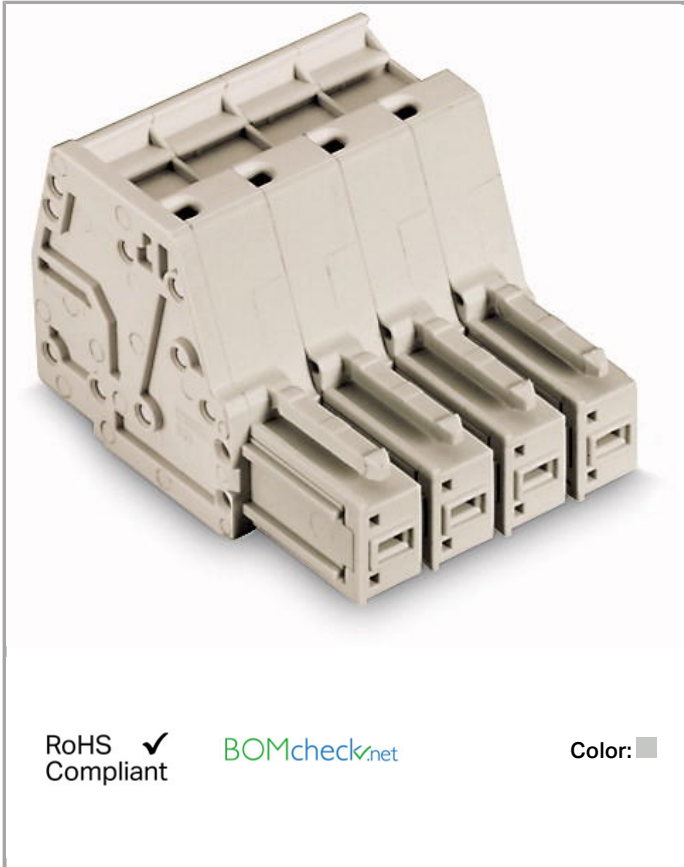


Data sheet | Item number: 831-3104

1-conductor female plug; 100% protected against mismatching; 10 mm²; Pin spacing 7.62 mm; 4-pole

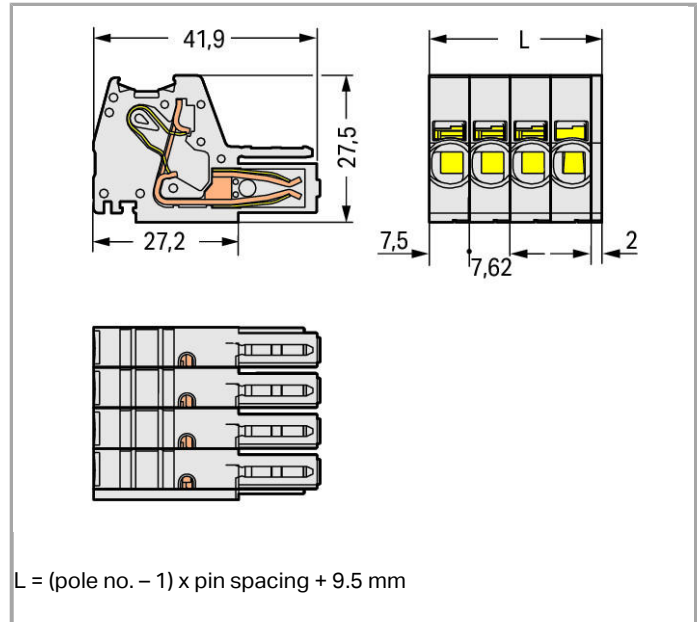
www.wago.com/831-3104



RoHS Compliant

BOMcheck.net

Color: ■



Item description

- Universal connection for all conductor types
- Push-in termination of solid or ferruled conductors
- Integrated test ports for 2 mm Ø test plugs
- 600 V UL per UL 1059
- 100 % protected against mismatching
- Coding via coding fingers

Other variants can be requested via the WAGO sales department or, if necessary, configured at <https://configurator.wago.com/>: Other pole numbers

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	800 V
Rated impulse voltage (III / 3)	8 kV
Rated voltage (III / 2)	1000 V
Rated impulse voltage (III / 2)	8 kV
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	8 kV
Rated current	41 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

Approvals per UL 1059

Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	42 A

Approvals per CSA

Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	41 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor with ferrule with plastic collar	0.5 ... 6 mm ²
Fine-stranded conductor with ferrule without plastic collar	0.5 ... 6 mm ²
Strip length	13 ... 15 mm / 0.51 ... 0.59 Inch
No. of poles	4
Total number of connection points	4
Total number of potentials	4
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	7.62 mm (0.3 inch)
Width	32.36 mm / 1.274 inch
Height	27.5 mm / 1.083 inch
Depth	41.9 mm / 1.65 inch

Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector connection type	for conductors
Mismating protection	Yes

Material Data



Color	light gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Material of the additional spring for socket contact	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (Ecu)
Contact plating	tin-plated
Fire load	0.435 MJ
Weight	29.922 g

Environmental Requirements


Limit temperature range	-60 ... +105 °C
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Approvals / Certificates

Country specific Approvals

Logo	Approval	Certificate name
	CCA DEKRA Certification B.V.	2169534.04
	CCA DEKRA Certification B.V.	NL-31143
	CSA DEKRA Certification B.V.	1466354

UL-Approvals

Logo	Approval	Certificate name
	UL Underwriters Laboratories Inc.	E45172
	UL Underwriters Laboratories Inc.	20181217-E45172



Subject to changes.

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We are always happy to take your call at 01788 568 008.