Data Sheet | Item Number: 2604-1103

PCB terminal block; lever; 4 mm²; Pin spacing 5 mm; 3-pole; Push-in CAGE CLAMP®; 4,00 mm²; gray
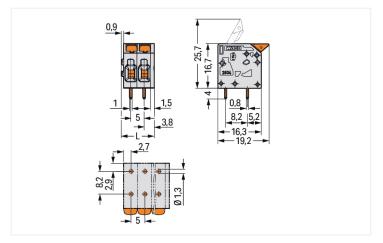
https://www.wago.com/2604-1103

Color: ■ gray

Dimensions in mm

L = (pole no. – 1) x pin spacing + 7.4 mm

Current-Carrying Capacity Curve
Pin spacing: 5 mm / Conductor cross-section: 4 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1

- PCB terminal blocks with Push-in CAGE CLAMP® connection and levers
- Push-in termination of solid and ferruled conductors
- Intuitive and tool-free operation
- Several clamping units can be held open simultaneously, simplifying the connection of multi-core cables
- Testing can be performed both parallel and perpendicular to conductor entry

Notes

Variants:	Other colors
	Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.
	Other pole numbers
	Direct marking

Electrical data

Ratings per	IEC/EN 60664-1				Approvals per	UL 1059		
Overvoltage category	III	III	II		Use group	B	C	D
Pollution degree	3	2	2		Rated voltage	300 V	-	300 V
Nominal voltage	320 V	400 V	630 V		Rated current	20 A	-	10 A
Rated surge voltage	4 kV	4 kV	4 kV					
Rated current	32 A	32 A	32 A					

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Approvals per

		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		20 A	-	5 A

Connection data

Connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Lever
Solid conductor	0.2 … 4 mm² / 24 … 12 AWG
Fine-stranded conductor	0.2 … 4 mm² / 24 … 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm²
Fine-stranded conductor; with twin ferrule	0.25 … 1.5 mm²
Strip length	9 … 11 mm / 0.35 … 0.43 inches
Conductor connection direction to PCB	0 °
Pole number	3

Physical data

Pin spacing	5 mm / 0.197 inches
Width	17.4 mm / 0.685 inches
Height	20.7 mm / 0.815 inches
Height from the surface	16.7 mm / 0.657 inches
Depth	19.2 mm / 0.756 inches
Solder pin length	4 mm
Solder pin dimensions	0.8 x 1 mm
Drilled hole diameter with tolerance	1.3 $^{(+0.1)}$ mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	2

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin
Fire load	0.117 MJ
Actuator color	orange
Weight	4.7 g

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Environmental requirements

Limit temperature range	-60 … +105 °C
Processing temperature	-35 … +60 °C
Continuous operating temperature	-60 … +105 °C

Commercial data

eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	120 pcs
Packaging type	Box
Country of origin	PL
GTIN	4066966390247
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

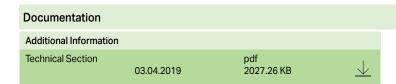| Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60947-7-4	NL-61583
CSA DEKRA Certification B.V.	C22.2 No. 158	70117145
cURus Underwriters Laboratories Inc.	UL 1059	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-100535

Downloads
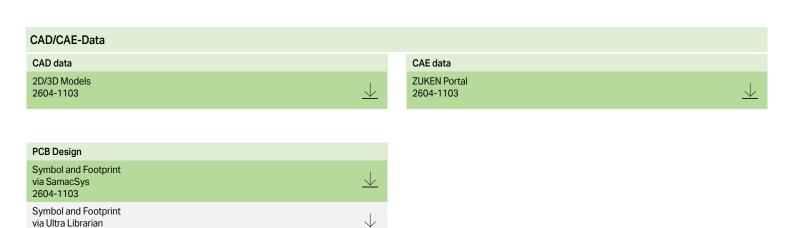
Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 2604-1103	↓

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB	↓

CAD/CAE-Data

CAD data

2D/3D Models
2604-1103   ↓

CAE data

ZUKEN Portal
2604-1103   ↓

PCB Design

Symbol and Footprint
via SamacSys
2604-1103   ↓

Symbol and Footprint
via Ultra Librarian
2604-1103   ↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule

Item No.: 216-241
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white

Item No.: 216-242
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray

Item No.: 216-243
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

Item No.: 216-244
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

Item No.: 216-246
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

Item No.: 216-106
Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored

Installation Notes

Conductor termination

Insert fine-stranded conductors – and remove all conductors – via operating tool.

Conductor termination

Insert solid conductors via push-in termination.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at:: www.wago.com

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