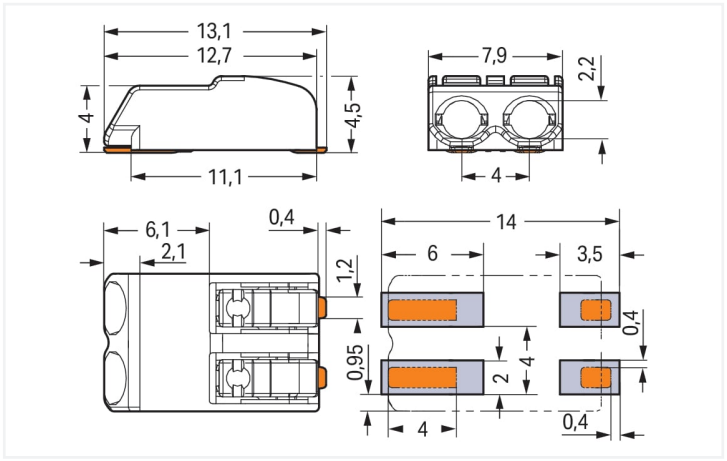
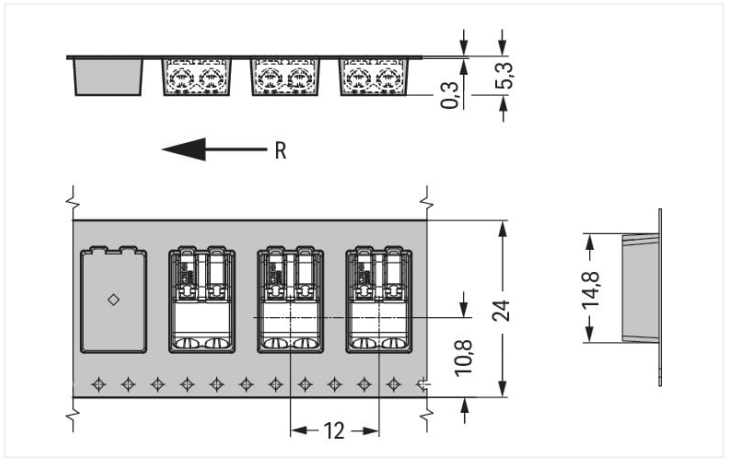
Color: white



Dimensions in mm
L = (pole no. x pin spacing) – 0.1 mm



Dimensions in mm
R = feed direction

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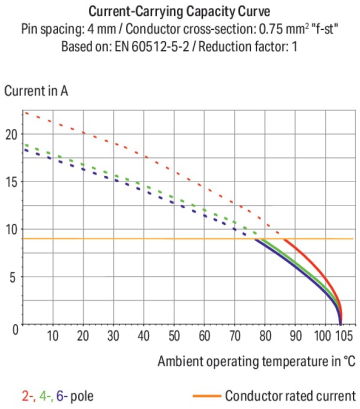
Current-Carrying Capacity Curve
Pin spacing: 4 mm / Conductor cross-section: 0.75 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1
Current in A
20
15
10
5
0
10 20 30 40 50 60 70 80 90 100 105
Ambient operating temperature in °C
2-, 4-, 6- pole
Conductor rated current

- SMD PCB terminal blocks with Push-in CAGE CLAMP® connection technology and push-buttons
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm tall
- Available in tape-and-reel packaging for automated assembly

Notes

Note	Application notes: Suitable for lead-free, reflow-soldering profiles per DIN EN 61760-1 and IEC 60068-2-58 up to max. 260°C peak temperature. Due to application-specific variables (component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions. Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.
Recommendation	Recommendation for stencil: 150 µm material thickness; Pattern layout identical to solder pad layout

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	63 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	9 A	9 A	9 A

Ratings	
Approvals per	UL 1977
Rated voltage	320 V
Rated current	9 A

Connection data

Clamping units	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.2 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor	0.2 … 0.75 mm² / 24 … 18 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.34 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 0.34 mm²
Strip length	7 … 9 mm / 0.28 … 0.35 inches
Conductor connection direction to PCB	0 °
Pole number	2

Physical data

Pin spacing	4 mm / 0.157 inches
Width	7.9 mm / 0.311 inches
Height	4.5 mm / 0.177 inches
Depth	13.1 mm / 0.516 inches
Reel diameter of tape-and-reel packaging	380 mm
Tape width	24 mm

PCB contact

PCB contact	SMD
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	white
Material group	I
Insulation material (main housing)	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Copper alloy
Contact Plating	Tin
Fire load	0.016 MJ
Weight	0.5 g

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Environmental requirements

Limit temperature range	-60 … +105 °C

Environmental Testing (Environmental Conditions)

Test specification Railway applications – Rolling stock – Electronic equipment	DIN EN 50155 (VDE 0115-200):2022-06
Test procedure Railway applications – Rolling stock equipment – Shock and vibration tests	DIN EN 61373 (VDE 0115-0106):2011-04
Spectrum/Installation location	Service life test, Category 1, Class A/B
Function test with noise-like vibration	Test passed according to Section 8 of the standard
Frequency	f_1 = 5 Hz to f_2 = 150 Hz f_1 = 5 Hz to f_2 = 150 Hz
Acceleration	0.101g (highest test level used for all axes) 0.572g (highest test level used for all axes) 5g (highest test level used for all axes)
Test duration per axis	10 min. 5 h
Test directions	X, Y and Z axes X, Y and Z axes X, Y and Z axes
Monitoring for contact faults/interruptions	Passed
Voltage drop measurement before and after each axis	Passed
Simulated service life test through increased levels of noise-like vibration	Test passed according to Section 9 of the standard
Extended test scope: Monitoring for contact faults/interruptions	Passed Passed
Extended test scope: Voltage drop measurement before and after each axis	Passed Passed
Shock test	Test passed according to Section 10 of the standard
Shock form	Half sine
Shock duration	30 ms
Number of shocks per axis	3 pos. und 3 neg.
Vibration and shock stress for rolling stock equipment	Passed

Commercial data

ETIM 9.0	EC001284
ETIM 8.0	EC001284
PU (SPU)	13500 (1500) pcs
Packaging type	Box
Country of origin	CH
GTIN	4066966483352
Customs tariff number	85369010000

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Z00004396.000

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
2060-452/998-604

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

1 Compatible Products

1.1 Optional Accessories

1.1.1 Board-to-board link

1.1.1.1 Board-to-board link

Item No.: 2060-952/028-004
Board-to-Board Link; Pin spacing 4 mm; 2-pole; Length: 28 mm; black

Item No.: 2060-952/028-000
Board-to-Board Link; Pin spacing 4 mm; 2-pole; Length: 28 mm; white

1.1.2 Ferrule

1.1.2.1 Ferrule

Item No.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow

Item No.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

Item No.: 216-302
Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

Item No.: 216-132
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

Continued on next page

1.1.3 Tool

1.1.3.1 Operating tool

Item No.: 206-860
Operating tool; for 2060 Series; multicoloured

Item No.: 2060-189
Operating tool; made of insulating material; for 2060 Series; white

Installation Notes

Conductor termination

Insert solid conductors via push-in termination.

Conductor termination

Insert/remove fine-stranded conductors by lightly pressing on push-button, e.g., via optional operating tool (206-860).

Terminal blocks can be arranged side-by-side without loss of poles.