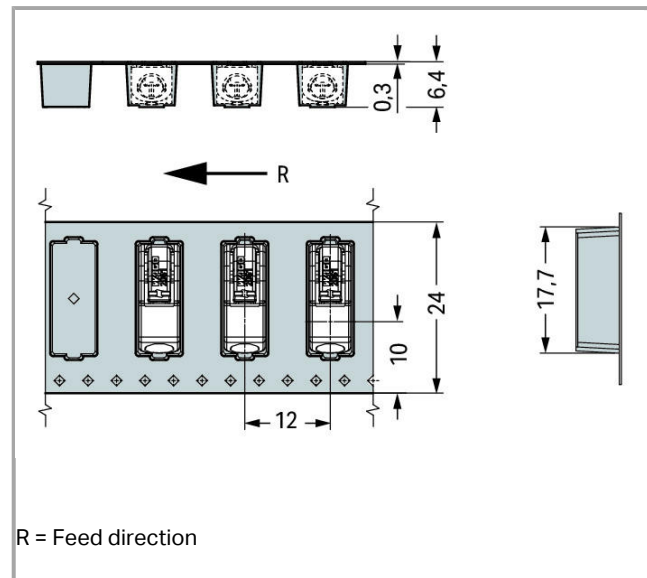
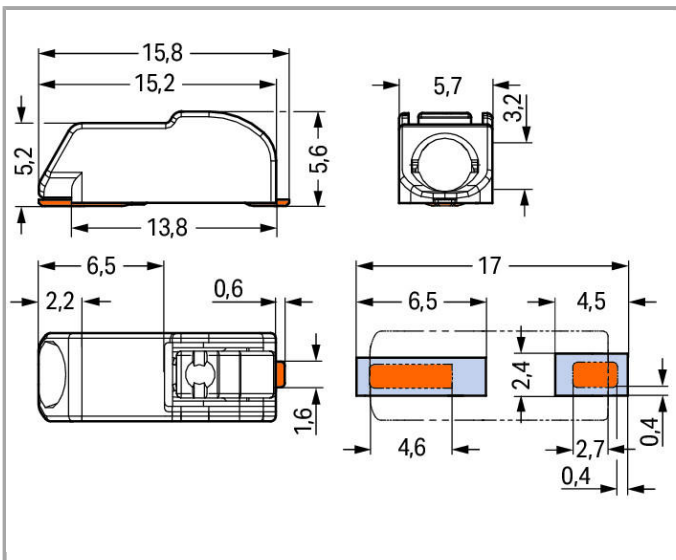
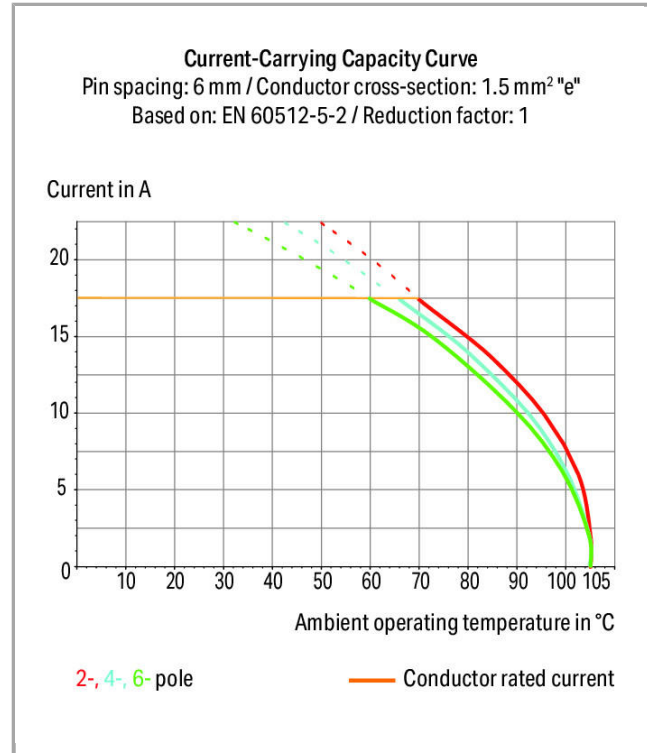


Data sheet | Item number: 2061-601/998-404

SMD PCB terminal block; Push-button; 1.5 mm²; Pin spacing 6 mm; 1-pole;
Push-in CAGE CLAMP®; in tape-and-reel packaging



2061-601/998-404





Item description

- SMD PCB terminal blocks with Push-in CAGE CLAMP® connection and push-buttons
- Just 5.6 mm tall
- Push-in termination of solid and ferruled conductors
- Push-buttons simplify insertion/removal of all conductor types
- Available in tape-and-reel packaging for automated assembly

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 customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Recommendation:

Recommendation for SMD stencil:

Material thickness, 150 µm. Pattern layout identical to solder pad layout.

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	250 V
Rated impulse voltage (III / 3)	4 kV



Rated voltage (III / 2)	320 V
Rated impulse voltage (III / 2)	4 kV
Rated voltage (II / 2)	630 V
Rated impulse voltage (II / 2)	4 kV
Rated current	17.5 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	600 V
Rated current UL (Use Group D)	5 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor	0.5 ... 1.5 mm ² / 20 ... 16 AWG
Fine-stranded conductor with ferrule with plastic collar	0.5 ... 0.75 mm ²
Fine-stranded conductor with ferrule without plastic collar	0.5 ... 0.75 mm ²
Strip length	7 ... 10 mm / 0.28 ... 0.39 inch
Conductor entry angle to the PCB	0°
No. of poles	1
Total number of connection points	1
Total number of potentials	1
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	6 mm / 0.24 inch
Width	5.7 mm / 0.224 inch
Height	5.6 mm / 0.22 inch
Height from the surface	5.6 mm / 0.22 inch
Depth	15.8 mm / 0.622 inch
Reel diameter of tape-and-reel packaging	330 mm
Tape width	24 mm

PCB contact

PCB contact	SMD
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Material Data

Color	white
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0MJ
Weight	0.418 g

Environmental Requirements





Limit temperature range	-60 ... +105 °C
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Commercial data

Country of origin	CN
GTIN	4055143278065
Customs Tariff No.	85369010000


Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7459
	CCA DEKRA Certification B.V.	EN 60838	NTR NL-7721
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7459
	KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-100855
	KEMA/KEUR DEKRA Certification B.V.	EN 60838	71-106232












UL-Approvals



Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1059	E45172

Compatible products

ferrule

	Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated	216-101
	Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated	216-102
	Item no.: 216-141 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	216-141
	Item no.: 216-142 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92	216-142
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated	216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated	216-202
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-242
	Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-262

tools

	Item no.: 2061-189 Operating tool; for 2061 Series SMD PCB Terminal Blocks; of insulating material	2061-189
	Item no.: 206-861 Operating tool; for terminal blocks 2061 series	206-861

General accessories

	Item no.: 2061-901 Board-to-Board Link; Pin spacing 6 mm; 1-pole; Length: 30 mm	2061-901
	Item no.: 2061-901/034-000 Board-to-Board Link; Pin spacing 6 mm; 1-pole; Length: 34 mm	2061-901 /034-000

Downloads

Documentation

Additional Information

pdf
3.6 MB
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CAD/CAE - Smart Data

CAD data

3D Download 2061-601/998-404
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Subject to changes.
