

Data sheet | Item number: 2626-3101

PCB terminal block; 6 mm²; Pin spacing 7.5 mm; 1-pole; Push-in CAGE CLAMP®



2626-3101

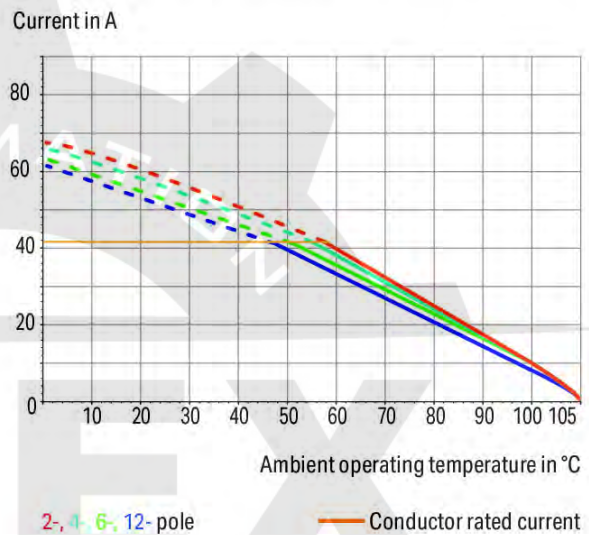


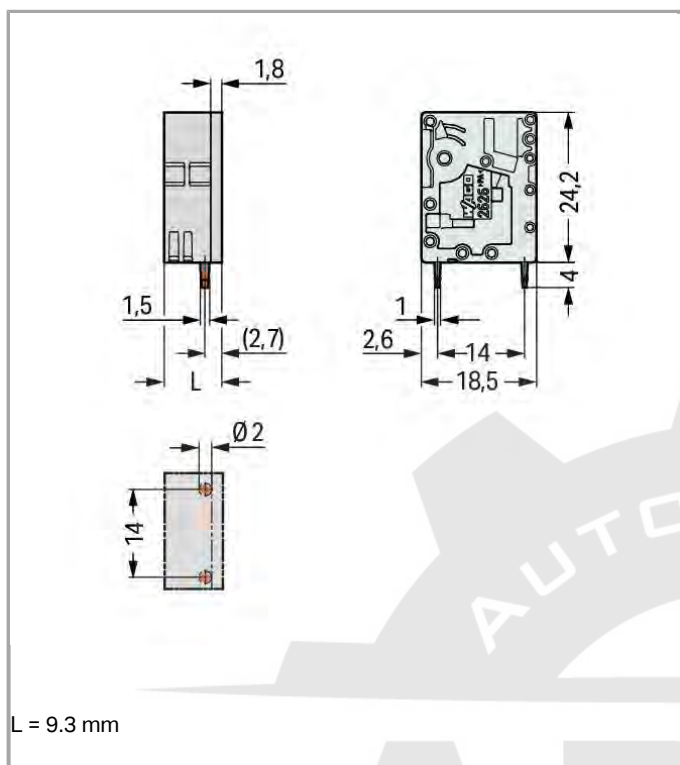
RoHS Compliant

BOMcheck.net

Color:

Current-Carrying Capacity Curve
Pin spacing: 7,5 mm / Conductor cross-section: 6 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1





Item description

- PCB terminal blocks with Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Ideal for panel feedthrough applications via operation parallel to conductor entry
- Testing can be performed both parallel and perpendicular to conductor entry

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	48 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	600 V
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Rated current UL (Use Group B)	38 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	38 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.2 ... 10 mm² / 24 ... 8 AWG
Fine-stranded conductor	0.2 ... 10 mm² / 24 ... 8 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 ... 6 mm²
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 6 mm²
Fine-stranded conductor, with twin ferrule	0.25 ... 2.5 mm²
Strip length	13 ... 15 mm / 0.51 ... 0.59 inch
Conductor entry angle to the PCB	90°
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	7.5 mm / 0.295 inch
Width	9.3 mm / 0.366 inch
Height	28.2 mm / 1.11 inch
Height from the surface	24.2 mm / 0.953 inch
Depth	18.5 mm / 0.728 inch
Solder pin length	4 mm
Solder pin dimensions	1.5 x 1 mm
Drilled hole diameter (tolerance)	2 ^(- ... +0.1) mm

Mechanical data

Type of mounting	Feed-through mounting
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PCB contact

PCB contact	THT
Solder pin arrangement	within the terminal block, in line
Number of solder pins per potential	2

Material Data

Color	gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0MJ
Weight	4.514 g

Environmental Requirements

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

Country of origin	DE
GTIN	4055143587266
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 60947-7-4	NL 49487 /M1
	CSA DEKRA Certification B.V.	C22.2 No. 158	70146882
	KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-103042

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cULus Underwriters Laboratories Inc.	UL 1059	E45172 Sec. 72

Compatible products

ferrule

	Item no.: 216-108 Ferrule; Sleeve for 6 mm ² / AWG 10; uninsulated; electro-tin plated	216-108
	Item no.: 216-208 Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-208
	Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-263
	Item no.: 216-264 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-264
	Item no.: 216-266 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-266
	Item no.: 216-267 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-267

tools

	Item no.: 210-721 Operating tool with partially insulated shaft; Type 3, blade (5.5 x 0.8) mm	210-721
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Downloads

Documentation

Additional Information

pdf
3.6 MB

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CAD/CAE - Smart Data

CAD data

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Subject to changes.