

Data sheet | Item number: 2636-3103/020-000

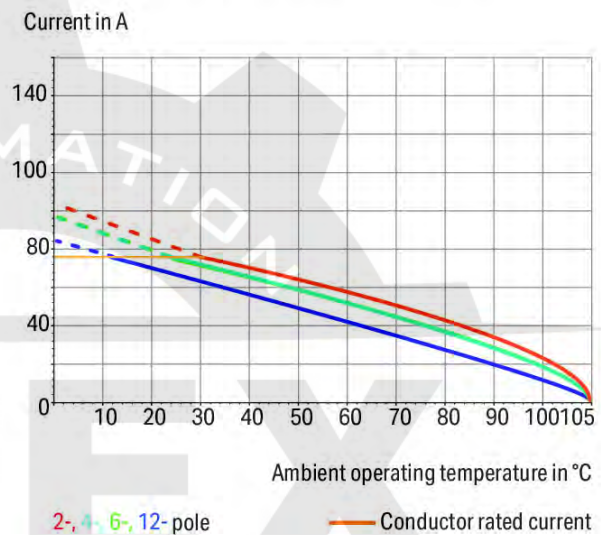
PCB terminal block; 16 mm²; Pin spacing 10 mm; 3-pole; Push-in CAGE
CLAMP®



2636-3103/020-000



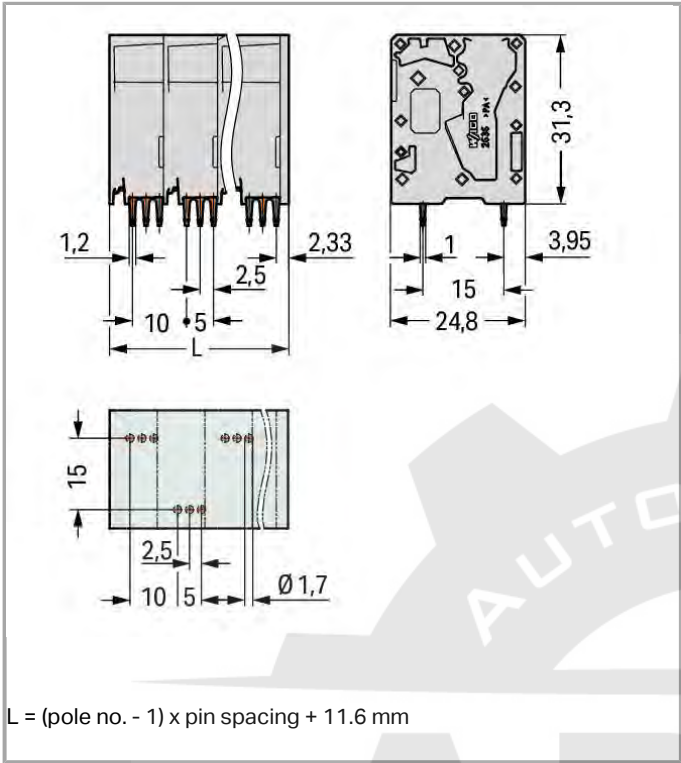
Current-Carrying Capacity Curve
Pin spacing: 10 mm / Conductor cross-section: 16 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1



RoHS ☒ Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color: ☐



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)	1000 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	76 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	600 V
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Rated current UL (Use Group B)	66 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	66 A

Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.75 ... 16 mm² / 18 ... 4 AWG
Fine-stranded conductor	0.75 ... 25 mm² / 18 ... 4 AWG
Fine-stranded conductor with ferrule with plastic collar	0.75 ... 16 mm²
Fine-stranded conductor with ferrule without plastic collar	0.75 ... 16 mm²
Fine-stranded conductor, with twin ferrule	0.75 ... 6 mm²
Strip length	18 ... 20 mm / 0.71 ... 0.79 inch
Conductor entry angle to the PCB	90°
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	10 mm / 0.394 inch
Width	31.6 mm / 1.244 inch
Height	35.3 mm / 1.39 inch
Height from the surface	31.3 mm / 1.232 inch
Depth	24.8 mm / 0.976 inch
Solder pin length	4 mm
Solder pin dimensions	1.2 x 1 mm
Drilled hole diameter (tolerance)	1.7 ^(- ... +0.1) mm

Mechanical data

Type of mounting	Feed-through mounting
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PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip, staggered
Number of solder pins per potential	3

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	24.812 g

Environmental Requirements

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

Country of origin	DE
GTIN	4055143625548
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	EN 60947-7-4	NL-53125
	KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-104771

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	C22.2 No. 158	E45172

Compatible products

ferrule		
	Item no.: 216-210 Ferrule; Sleeve for 16 mm ² / AWG 6; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-210
	Item no.: 216-284 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	216-284
	Item no.: 216-286 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	216-286
	Item no.: 216-287 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-287
	Item no.: 216-288 Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-288
	Item no.: 216-289 Ferrule; Sleeve for 10 mm ² / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-289
tools		
	Item no.: 210-721 Operating tool with partially insulated shaft; Type 3, blade (5.5 x 0.8) mm	210-721

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.