

## Data sheet | Item number: 2070-451/998-606

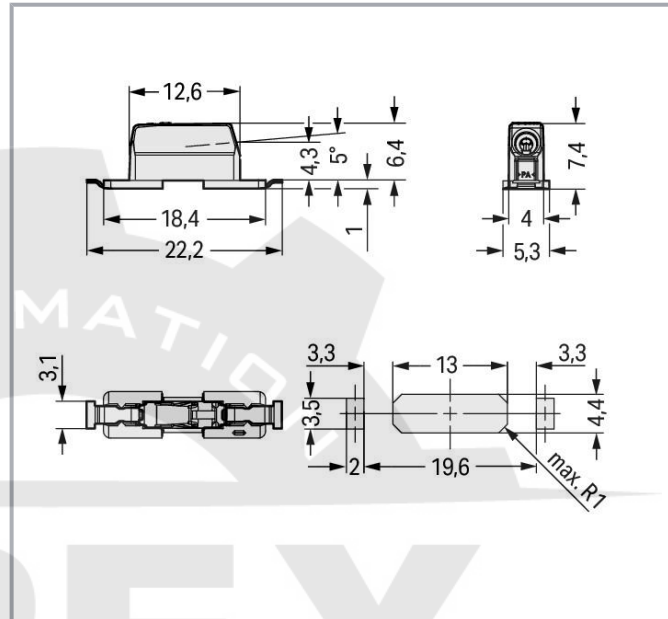
Through-Board SMD PCB Terminal Block; 0.75 mm<sup>2</sup>; Pin spacing 6.5 mm; 1-pole; Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm<sup>2</sup>; white

[www.wago.com/2070-451\\_998-606](http://www.wago.com/2070-451_998-606)



 Picture differs from the item.

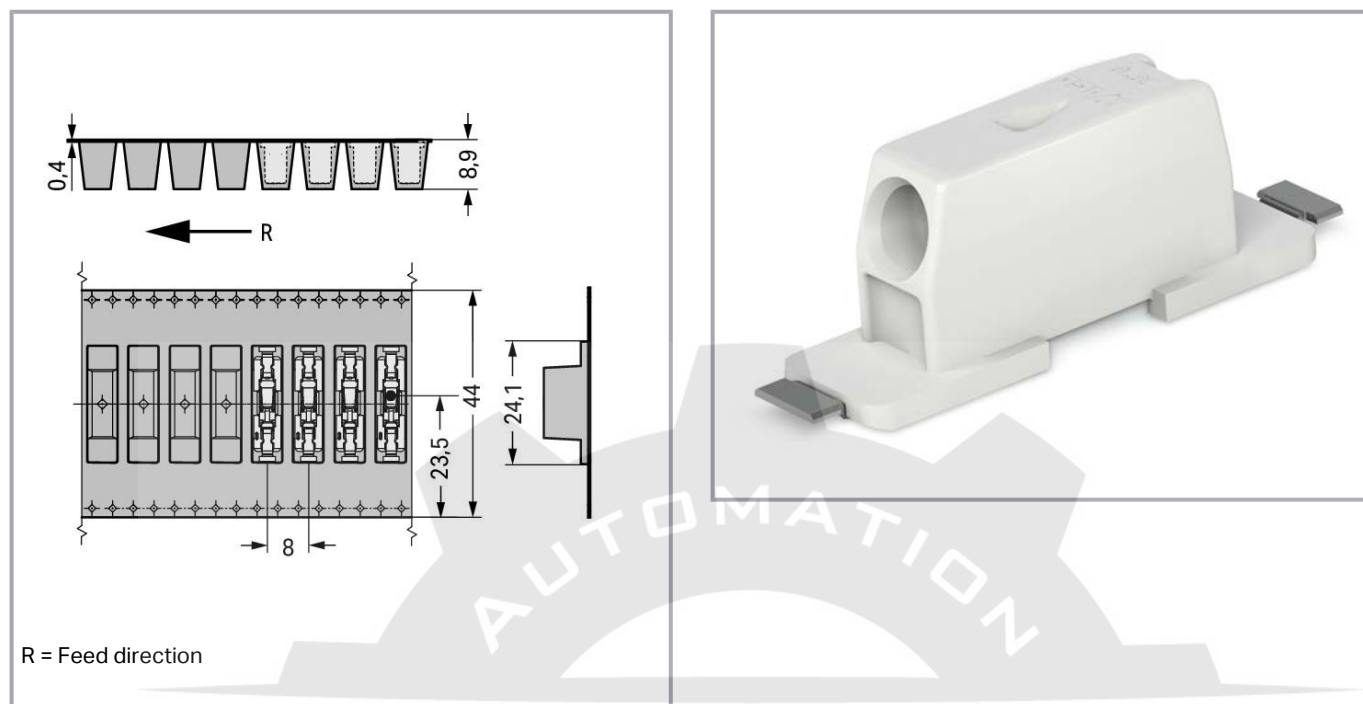
Color: 



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

WAGO Corporation  
Germantown, WI 53022  
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222  
Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

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## Item description

- SMD PCB terminal block with Push-in CAGE CLAMP® connection for back-side wiring of LED modules
- Low profile of just 1.1 mm on the module's front side
- Push-in termination of solid conductors
- Insert fine-stranded conductors and remove all conductors via operating tool
- Reel diameter of tape-and-reel packaging: 381 mm

## Note:

Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

## Data

### Electrical data

### IEC Approvals

Ratings per	IEC/EN 60664-1
Ratings (note)	Electrical Data for FR4 PCB Type
Rated voltage (III / 3)	320 V
Rated surge voltage (III/3)	4 kV

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Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	9 A
Ratings per	IEC/EN 60664-1
Ratings (note) 2	Electrical Data for Metal-Core PCBs
Rated voltage (III/3) 2	200 V
Rated surge voltage (III/3) 2	4 kV
Rated voltage (III/2) 2	320 V
Rated surge voltage (III/2) 2	4 kV
Rated voltage (II/2) 2	500 V
Rated surge voltage (II/2) 2	4 kV
Rated current 2	9 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

### Ratings per UL

Rated voltage UL 1977	600 V
Rated current UL 1977	9 A

### Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Operating tool
Solid conductor	0.2 ... 0.75 mm² / 24 ... 18 AWG
Fine-stranded conductor	0.2 ... 0.75 mm² / 24 ... 18 AWG
Strip length	8 ... 10 mm / 0.31 ... 0.39 inch
Conductor connection direction to PCB	0°
Pole No.	1
Total number of connection points	1
Total number of potentials	1
Number of connection types	1
Number of levels	1

### Physical data

Pin spacing	6.5 mm / 0.256 inch
Width	5.3 mm / 0.209 inch

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Height	7.45 mm / 0.293 inch
Depth	22.2 mm / 0.874 inch
Reel diameter of tape-and-reel packaging	380 mm
Tape width	44 mm

**Mechanical data**

Design	without Cover
Mounting type	Through-board

**PCB contact**

PCB Contact	SMD
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**Material data**

Color	white
Material group	I
Insulation 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
Weight	1.3 g

**Environmental requirements**

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

Packaging type	BOX
Country of origin	CH
GTIN	4055143812641
Customs tariff number	8536904000

**Downloads****Documentation****Additional Information**

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
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## Environmental Product Compliance

### Compliance Search

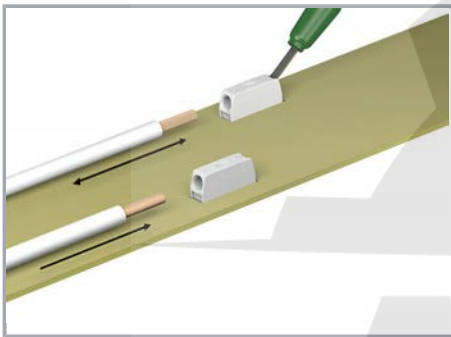
Environmental Product Compliance 2070-451/998-606

URL

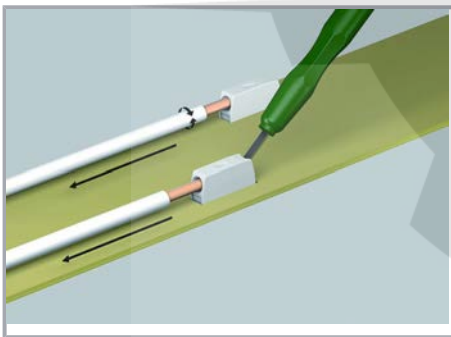
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Through-Board SMD PCB Terminal Block; 0.75 mm<sup>2</sup>; Pin spacing 6.5 mm; 1-pole;  
Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm<sup>2</sup>; white

### Installation Notes



Insert fine-stranded conductors and remove all conductor types via operating tool. Solid conductors can also be terminated by simply pushing them in.



Use an operating tool or simply "twist and pull" to remove solid conductors.

### Installation

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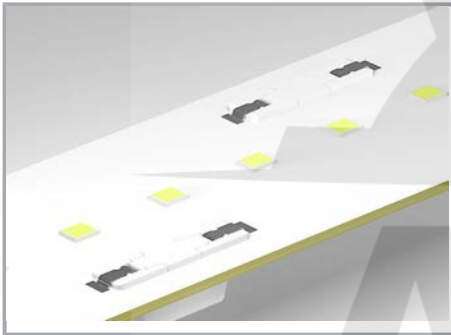
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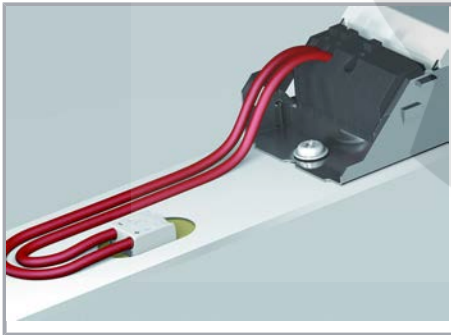
Shift wiring to the back of the LED module via 2070 Series SMD PCB Terminal Blocks.

#### Application



The variants with cover feature a center contact surface for easy pick-and-place assembly and minimum shadowing.

#### Application



The printed variants offer unique pole marking on the back of the module.

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