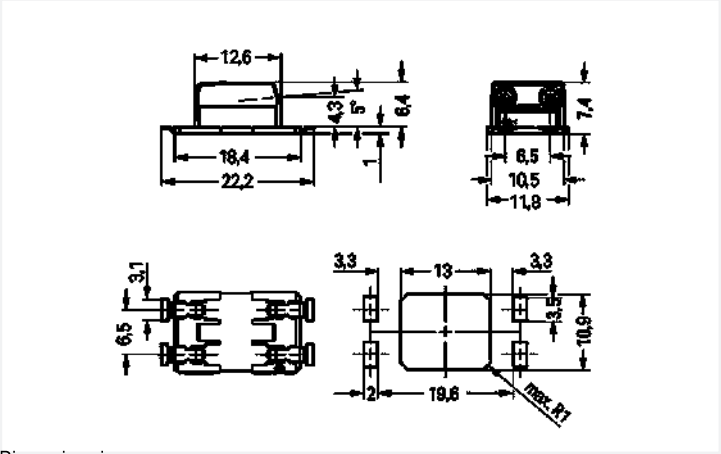




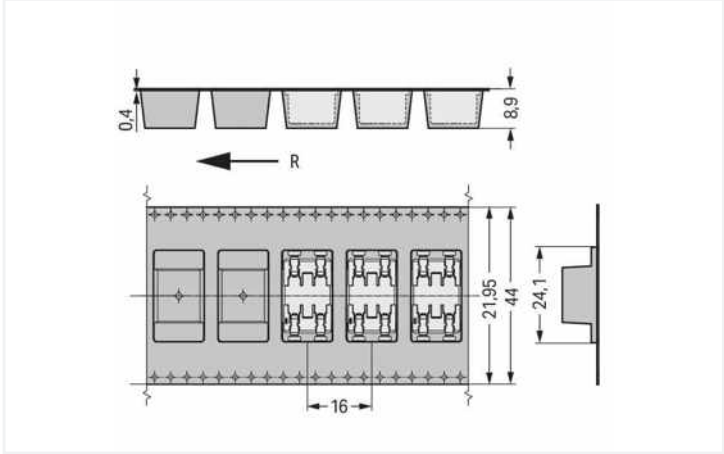
Data Sheet | Item Number: 2070-542/998-406
Through-Board SMD PCB Terminal Block; 0.75 mm²; Pin spacing 6.5 mm; 2-pole;
<https://www.wago.com/2070-542/998-406>
Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm²; white



Color: white



Dimensions in mm



Dimensions in mm
R = feed direction

- SMD PCB terminal block with Push-in CAGE CLAMP® 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

Notes	
Note	Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.
Variants:	Reel diameter of tape-and-reel packaging: 381 mm Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

Electrical data			
Ratings per IEC/EN		Ratings per IEC/EN 2	
Ratings per	IEC/EN 60664-1	Ratings per 2	IEC/EN 60664-1
Bemessungsdaten_Instanz_Bezeichnung_01	Electrical data for FR4 PCB type	Bemessungsdaten_Instanz_Bezeichnung_02	Electrical data for metal-core PCBs
Nominal voltage (III/3)	320 V	Rated voltage (III/3) 2	200 V
Rated impulse voltage (III/3)	4 kV	Rated surge voltage (III/3) 2	4 kV
Rated voltage (III/2)	320 V	Rated voltage (III/2) 2	320 V
Rated impulse voltage (III/2)	4 kV	Rated surge voltage (III/2) 2	4 kV



Ratings per IEC/EN 2	
Rated voltage (II/2) 2	500 V
Rated surge voltage (II/2) 2	4 kV
Rated current 2	9 A

Ratings per UL 1977	
Rated voltage (UL 1977)	600 V
Rated current UL 1977	9 A

Connection data			
Connection points	2	Connection 1	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Operating tool
Number of levels	1	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 inches
		Conductor connection direction to PCB	0 °
		Pole number	2

Physical data	
Pin spacing	6.5 mm / 0.256 inches
Width	11.8 mm / 0.465 inches
Height	7.45 mm / 0.293 inches
Depth	22.2 mm / 0.874 inches
Reel diameter of tape-and-reel packaging	330 mm
Tape width	44 mm
PCB thickness (max.)	2.4 mm

Mechanical Data	
Marking	- +
Design	with cover
Mounting type	Through-board

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	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Copper alloy
Contact plating	Tin
Fire load	0.025 MJ
Weight	1.3 g



Environmental requirements	
Limit temperature range	-60 ... +105 °C

Commercial data	
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	2385 (477) pcs
Packaging type	Box
Country of origin	CH
GTIN	4055143645119
Customs tariff number	85369010000

Approvals / Certificates	
General approvals	



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60998	NL-57652
CB DEKRA Certification B.V.	EN 60998	NL-57653
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-107967
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-107965
UR Underwriters Laboratories Inc.	UL 1977	E45171



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance	2070-542/998-406		↓

Documentation			
Additional Information			
Technical Section	03.04.2019	pdf 1949.09 KB	↓

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models	2070-542/998-406	ZUKEN Portal	2070-542/998-406
	↓		↓

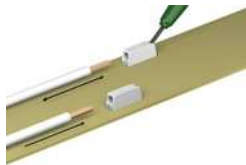
1 Compatible Products
1.1 Optional Accessories
1.1.1 Tool
1.1.1.1 Operating tool



Item No.: 2070-400
Operating tool; made of insulating material; green

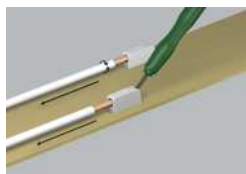
Installation Notes

Conductor termination



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

Conductor removal



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

Installation



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.