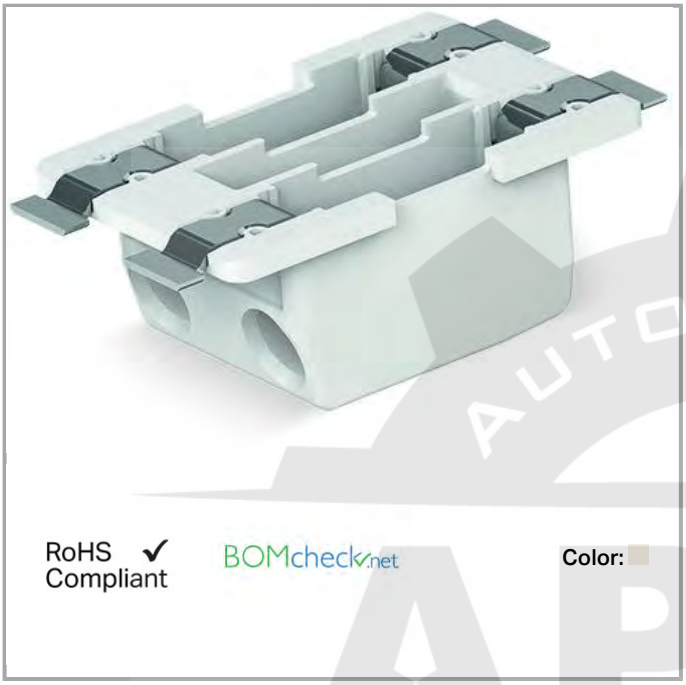
Data sheet | Item number: 2070-452/998-406

Through-Board SMD PCB Terminal Block; 0.75 mm²; Pin spacing 6.5 mm; 2-pole; Push-in CAGE CLAMP®; in tape-and-reel packaging

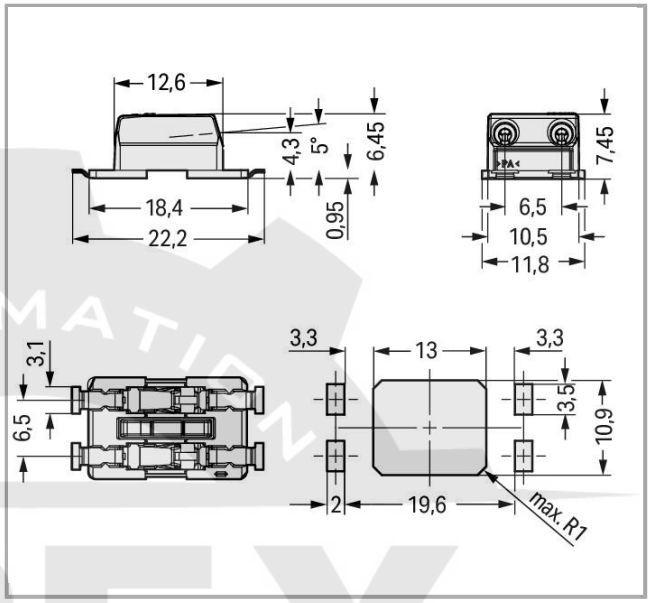
2070-452/998-406

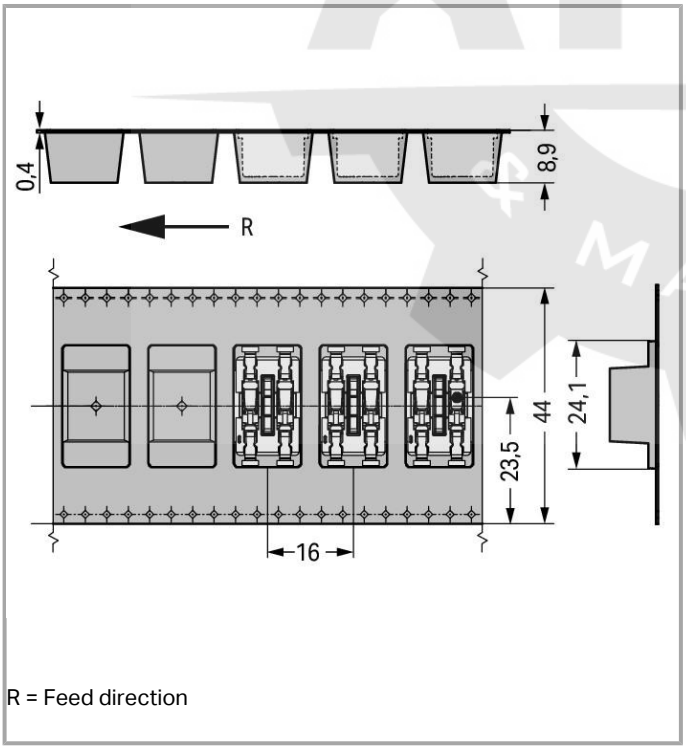


RoHS ✓ Compliant

BOMcheck.net

Color:





R = Feed direction

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
- Connect solid conductors via push-in termination
- Insert fine-stranded conductors and remove all conductors via operating tool

Data

Electrical data

Ratings per IEC/EN 60664-1

Ratings note	Electrical Data for FR4 PCB Type
Rated voltage (III / 3)	320 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	9 A
Ratings according to 2	IEC/EN 60664-1
Ratings note 2	Electrical Data for Metal-Core PCBs
Rated voltage (III / 3) 2	200 V
Rated impulse voltage (III / 3) 2	4 kV
Rated voltage (III / 2) 2	320 V
Rated impulse voltage (III / 2) 2	4 kV
Rated voltage (II / 2) 2	500 V
Rated impulse voltage (II / 2) 2	4 kV
Rated current (2)	9 A

Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	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 entry angle to the PCB	0 °
No. of poles	2

Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	6.5 mm / 0.256 inch
Width	11.8 mm / 0.465 inch
Height	7.45 mm / 0.293 inch
Depth	22.2 mm / 0.874 inch
Reel diameter of tape-and-reel packaging	330 mm
Tape width	44 mm

Mechanical data

Design	without Cover
Type of mounting	Through-board

PCB contact

PCB contact	SMD

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	0 MJ
Weight	1.959 g

Environmental Requirements

Limit temperature range	-60 … +105 °C

Commercial data

Country of origin	CH
GTIN	4055143645171
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 60998	NL-50427
	CB DEKRA Certification B.V.	EN 60998	NL-50427
	KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-102672
	KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-102671

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1977	E45171

Compatible products

tools

	Item no.: 2070-400 Operating tool; of insulating material	2070-400

Downloads

Documentation

Additional Information

	pdf 3.6 MB	Download

CAD/CAE - Smart Data

CAD data

3D Download 2070-452/998-406	URL	Download

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Subject to changes.