

Printed-circuit board connector - GFKC 2,5/ 2-STF-7,62 EX - 1796212

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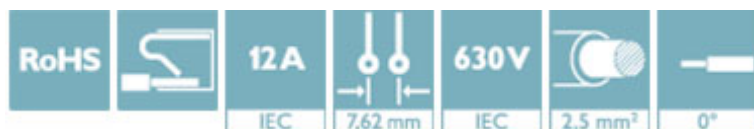
PCB connector, nominal current: 12 A, rated voltage (III/2): 630 V, nominal current (Ex): 12 A, nominal voltage (Ex): 352 V, number of positions: 2, pitch: 7.62 mm, connection method: Push-in spring connection, color: green, contact surface: Tin




The figure shows a 10-position version of the product

Why buy this product

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Larger pitch for increased voltage requirements
- ✓ Intuitive use through colour coded actuation lever
- ✓ Can be combined with the MSTB 2,5 range
- ✓ Screwable flange for superior mechanical stability
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	50 pc
GTIN	 4 046356 636322
GTIN	4046356636322

Technical data

Item properties

Brief article description	Printed-circuit board connector
Range of articles	GFKC 2,5/...-STF
Pitch	7.62 mm
Type of contact	Female connector
Plug-in system	CLASSIC COMBICON
Number of positions	2
Connection method	Push-in spring connection
Locking	Screw flange

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Technical data

Item properties

Number of levels	1
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Electrical parameters

Rated current	12 A
Rated insulation voltage (III/2)	630 V
Rated surge voltage (III/2)	6 kV

Connection capacity

Conductor cross section solid	0.2 mm ² ... 2.5 mm ²
Conductor cross section flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG / kcmil	24 ... 12
Conductor cross section flexible, with ferrule without plastic sleeve	0.25 mm ² ... 2.5 mm ²
Conductor cross section, flexible, with ferrule, with plastic sleeve	0.25 mm ² ... 2.5 mm ²
2 conductors with same cross section, stranded, with TWIN ferrules with plastic sleeve	0.5 mm ² ... 1.5 mm ²
Cylindrical gauge a x b / diameter	2.8 mm x 2.0 mm / 2.3 mm

Material data - contact

Note	WEEE/RoHS-compliant, free of whiskers according to IEC 60068-2-82/ JEDEC JESD 201
Contact material	Cu alloy
Surface characteristics	hot-dip tin-plated
Metal surface terminal point (top layer)	Tin (4 - 8 µm Sn)
Metal surface contact area (top layer)	Tin (4 - 8 µm Sn)

Material data - housing

Insulating material	PA
Insulating material group	I
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0
Glow wire flammability index GWFI according to EN 60695-2-12	850
Glow wire ignition temperature GWIT according to EN 60695-2-13	775
Temperature for the ball pressure test according to EN 60695-10-2	125 °C

Material data – actuating element

Insulating material	PBT
CTI according to IEC 60112	600
Flammability rating according to UL 94	V0

Dimensions for the product

Length [l]	25.6 mm
Width [w]	24.84 mm
Height [h]	15 mm
Pitch	7.62 mm
Height (without solder pin)	15 mm

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Technical data

Dimensions for the product

Dimension a	7.62 mm
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Packaging information

Type of packaging	packed in cardboard
Pieces per package	50
Denomination packing units	Pcs.

Air clearances and creepage distances

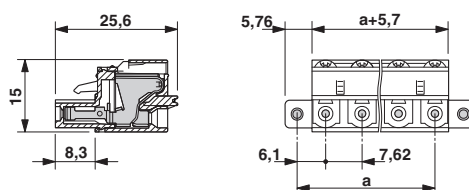
Insulating material group	I
Voltage	400 V
Rated insulation voltage (III/3)	400 V
Rated insulation voltage (III/2)	630 V
Rated insulation voltage (II/2)	1000 V
Rated surge voltage (III/3)	6 kV
Rated surge voltage (III/2)	6 kV
Rated surge voltage (II/2)	6 kV

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

Dimensional drawing



Approvals

Approvals

Approvals

EAC


Ex Approvals

EAC Ex

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Approvals

Approval details

EAC		B.01742
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