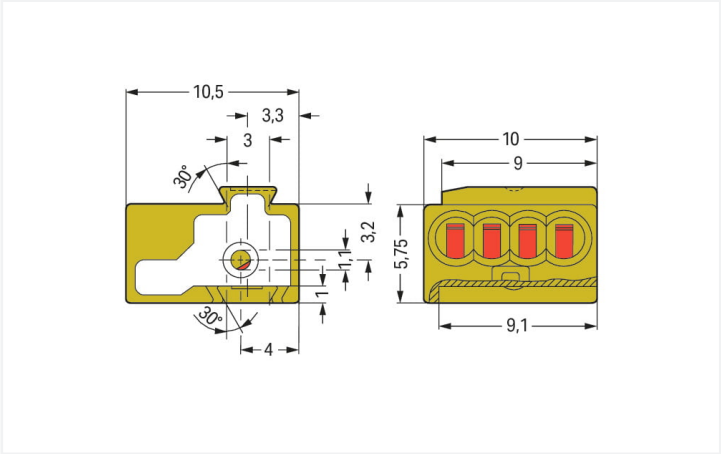
Data Sheet | Item Number: 243-722

4-conductor female plug; PUSH WIRE®; 0.8 mm Ø; Pin spacing 5.75 mm; 1-pole; for individual solder pins; blue

https://www.wago.com/243-722

Color: blue

Similar to illustration



Dimensions in mm

- 4-conductor female connector with PUSH WIRE® connection
- Can be assembled to connector strips via dovetail joints
- Push-in termination of solid conductors
- Four entries for power supply and potential distribution
- Quick and easy PCB replacement, without disrupting looped-through potentials

Notes

Variants:	Other pole numbers Other colors Mixed-color PCB connector strips Direct marking Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

Ratings per	IEC/EN 60664-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 kV
Rated current	6 A	6 A	6 A

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	150 V	-	150 V
Rated current	7 A	-	7 A

Approvals per	CSA		
Use group	B	C	D
Rated voltage	150 V	-	150 V
Rated current	7 A	-	7 A

Connection data

Connection points	4
Total number of potentials	1
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	PUSH WIRE®
Connectable conductor materials	Copper
Solid conductor	0.5 … 1 mm² / 24 … 18 AWG
Conductor diameter	0.5 … 1 mm / 24 … 18 AWG
Strip length	5 … 6 mm / 0.2 … 0.24 inches
Conductor connection direction to PCB	0 °
Pole number	1

Physical data

Pin spacing	5.75 mm / 0.226 inches
Width	5.75 mm / 0.226 inches
Height	10 mm / 0.394 inches
Depth	10.5 mm / 0.413 inches
Solder pin length	4.5 mm
Solder pin diameter	1 mm
Drilled hole diameter with tolerance	1.2 $^{(-0.05 \ldots +0.05)}$ mm

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mating direction to the PCB	90 °

Material data

Note (material data)	Information on material specifications can be found here
Color	blue
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin
Fire load	0.038 MJ
Weight	0.7 g

Environmental requirements

Limit temperature range	-60 … +105 °C
Continuous operating temperature	-60 °C

Continued on next page

Commercial data

eCl@ss 10.0	27-44-04-01
eCl@ss 9.0	27-44-04-01
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	400 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918440943
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL 7812
CSA DEKRA Certification B.V.	C22.2	70048857
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-112493
UR Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Approval	Standard	Certificate Name
ABS American Bureau of Shipping	-	18-HG1755093-PDA

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-722

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2010.85 KB

CAD/CAE-Data

CAD data

2D/3D Models 243-722

CAE data

EPLAN Data Portal
243-722

ZUKEN Portal 243-722

1 Compatible Products

1.1 Required Accessories

1.1.1 Male connector

1.1.1.1 Solder pin

Item No.: 243-131
THT pin; silver-colored

1.2 Optional Accessories

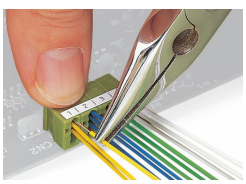
1.2.1 Marking

1.2.1.1 Marking strip

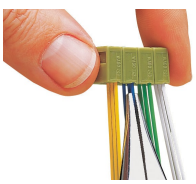
Item No.: 210-332/575-103
Marking strips; as a DIN A4 sheet; MARKED; 1-12 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

Installation Notes

Conductor termination



Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.



Removing a conductor using pliers – twisting alternately left and right – 243 Series

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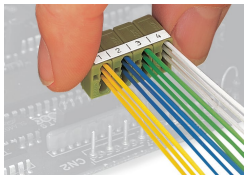
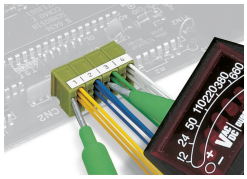
Installation



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series