

Data Sheet | Item Number: 243-742

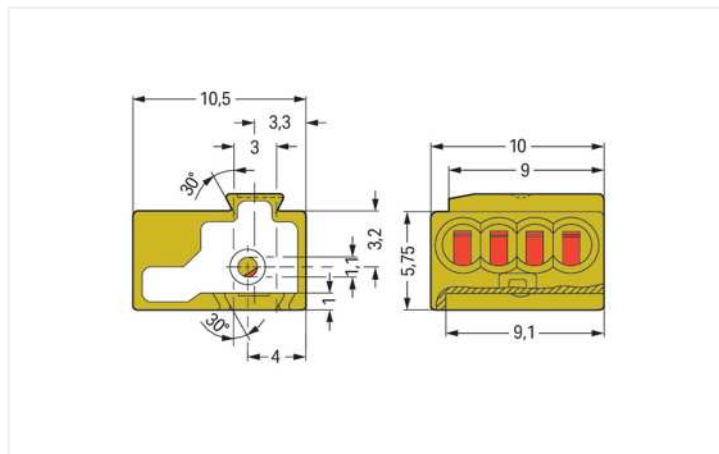
4-conductor female plug; PUSH WIRE®; 0.8 mm Ø; Pin spacing 5.75 mm; 2-pole; for individual solder pins; light green

<https://www.wago.com/243-742>



Color:  light green

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

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

Ratings per UL 1059

Approvals per	UL 1059
Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	7 A
Rated voltage UL (Use Group D)	150 V
Rated current UL (Use Group D)	7 A

Ratings per CSA

Approvals per	CSA
Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	7 A
Rated voltage CSA (Use Group D)	150 V
Rated current CSA (Use Group D)	7 A

Connection data

Connection points	8
Total number of potentials	2
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	2

Physical data

Pin spacing	5.75 mm / 0.226 inches
Width	11.5 mm / 0.453 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 ... +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	light green
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	0.024 MJ
Weight	1.5 g

Environmental requirements

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

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)	50 pcs
Packaging type	Box
Country of origin	DE
GTIN	4044918441841
Customs tariff number	85369010000

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

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 243-742



Documentation

Additional Information

Technical Section	03.04.2019	pdf 1949.09 KB	
-------------------	------------	-------------------	--

CAD/CAE-Data

CAE data

EPLAN Data Portal 243-742



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

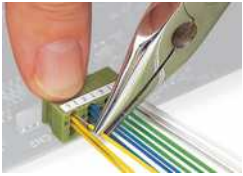


Item No.: 210-332/575-103

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

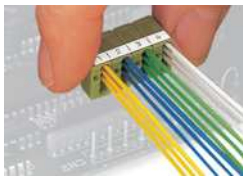


Inserting a conductor using pliers until it hits the backstop – directly on the PCB or wiring prior to mounting on PCB.



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

Installation



Removing a PCB connector strip to replace the board.

Testing



Testing – 243 Series