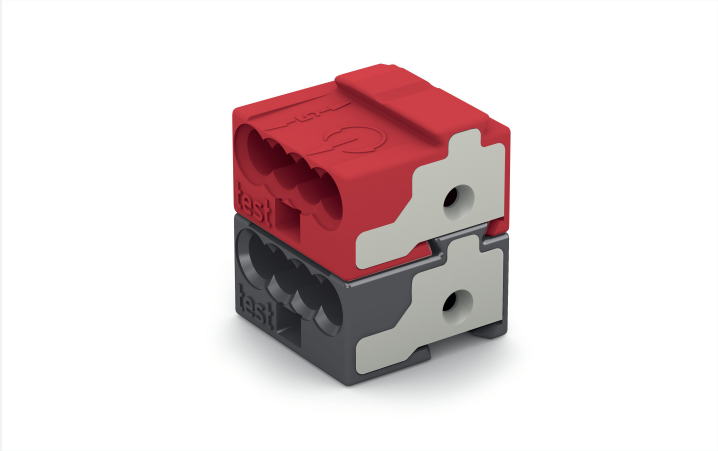
Data Sheet | Item Number: 243-211

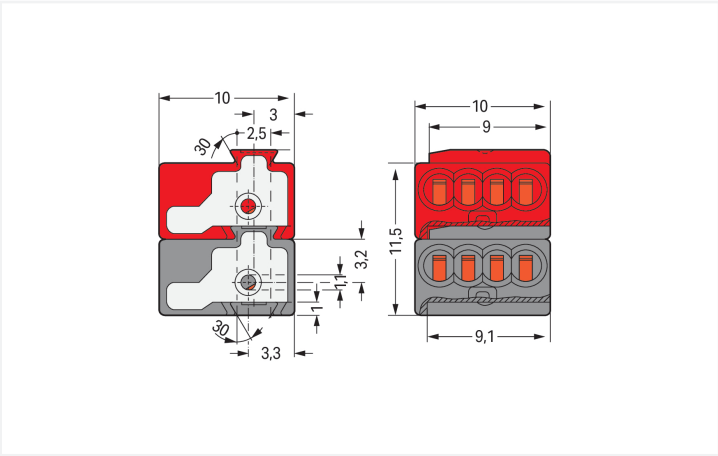
4-conductor modular PCB connector; PUSH WIRE®; 0.8 mm Ø; Pin spacing 5.75 mm; 2-pole; for individual solder pins; for KNX; dark gray/red

https://www.wago.com/243-211





Color: dark gray/red



Dimensions in mm

PUSH WIRE® splicing connector, 243 Series, PUSH WIRE®

Enjoy convenient electrical installations with this PUSH WIRE® splicing connector (item number 243-211). Ensure that the strip lengths are between 5 and 6 mm when connecting conductors to this PUSH WIRE® splicing connector. This product features one conductor terminal and utilizes PUSH WIRE®. Our trusted PUSH WIRE® connection offers the fastest method for clamping conductors. It utilizes the conductor's stiffness to overcome the clamping spring's contact force. The dimensions are (10 x 11.5 x 10) mm (width x height x depth).

The contact surface is tin-coated

- Compact sizes
- 2 connection points
- Permanently secure connections

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 impulse withstand voltage	4 kV	4 kV	4 kV
Rated current	6 A	6 A	6 A

Connection Data

Clamping units	8
Total number of potentials	2
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	PUSH WIRE®
Solid conductor	22 … 20 AWG
Conductor diameter	0.6 … 0.8 mm / 22 … 20 AWG
Conductor diameter (note)	When using different conductor diameters
Strip length	5 … 6 mm / 0.2 … 0.24 inches
Number of poles	2

Connection 2

Solid conductor	18 AWG
Conductor diameter	1 mm / 18 AWG
Conductor diameter (note)	When using identical conductor diameters

Physical data

Width	10 mm / 0.394 inches
Height	11.5 mm / 0.453 inches
Depth	10 mm / 0.394 inches

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor

Material data

Note (material data)	Information on material specifications can be found here
Color	dark gray/red
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact Plating	Tin
Fire load	0.022 MJ
Weight	1.5 g

Continued on next page

Environmental requirements

Limit temperature range	-60 … +105 °C
Relative humidity during storage and transportation	20 … 95 %
Ambient temperature (installation)	-35 … +60 °C
Continuous operating temperature	-60 °C

Commercial data

PU (SPU)	500 (50) pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143962315
Customs tariff number	85369010000

Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
ETIM 9.0	EC000446
ETIM 10.0	EC000446
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
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	-	-

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-211

Continued on next page

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2027.26 KB

CAD/CAE-Data

CAD data

2D/3D Models 243-211

CAE data

EPLAN Data Portal 243-211

WSCAD Universe 243-211

ZUKEN Portal 243-211

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 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

Installation



The KNX bus system is the intelligent solution to simplify existing building installation control. Instead of many different conventional wiring styles, the KNX bus system offers a flexible general solution for every application in the field of switching, controlling, measuring, monitoring and signaling.

The decentralized KNX system consists of active and intelligent modules. The system can be customized using the different KNX components.

For example, pairs of sensors/actuators control:

– lighting
– window blinds
– heating/ventilation
– energy management systems
– information display/transmission

Command data is transmitted via twisted-pair bus cable, which is connected to the sensors and actuators by WAGO PUSH WIRE® connectors.

The sensors transmit the commands as “telegrams” to the actuators via the bus. Once the information is gathered, the commands are performed by the actuators. An address is assigned to each “telegram” so that only a defined transmitter is allowed to activate a specified receiver. The address assignment is done using a programming tool.

The bus system is divided into “lines” (segments). The bus lines can be laid out either in a line, star or tree topology. WAGO's PUSH WIRE® connectors connect the different branches to one another in the junction boxes.

New components can be easily added to the existing bus, permitting future expansion of the installation. When future reallocation of rooms, floors or buildings is required, the installation remains unchanged, so that only the sensors must be reassigned to the actuators.