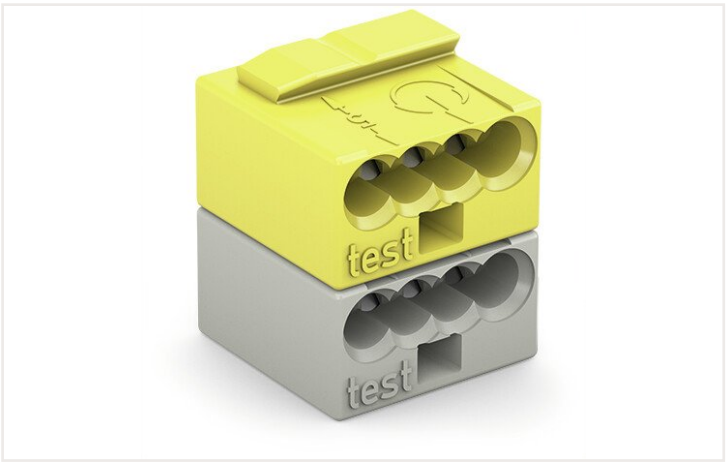
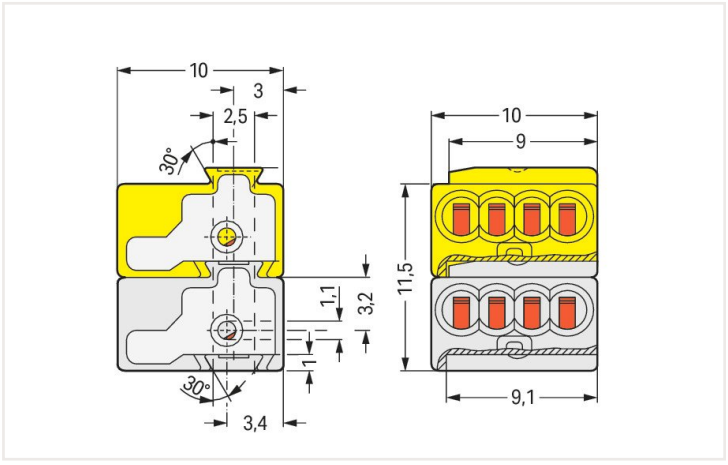
Data sheet | Item number: 243-212

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

https://www.wago.com/243-212



Color: light gray/yellow



Dimensions in mm

- Compact, 4-conductor KNX/EIB connectors with PUSH WIRE® connection
- Push-in termination of solid conductors
- Four-conductor entries allow devices to be replaced without disrupting the KNX/EIB bus connection

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)	100 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) ≙ Overvoltage category III / Pollution degree 2

Connection data

Total number of connection points	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 inch
Pole number	2

Connection 2

Solid conductor 2	18 AWG
Conductor diameter 2	1 mm / 18 AWG
Conductor diameter (note) 2	When using identical conductor diameters

Physical data

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

Plug-in connection

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

Material data

Note (material data)	Information on material data can be found here
Color	light gray/yellow
Material group	I
Insulation material	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	0.024 MJ
Weight	1.5 g

Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

eCl@ss 10.0	27-14-11-04
eCl@ss 9.0	27-14-11-04
ETIM 7.0	EC000446
ETIM 6.0	EC000446
PU (SPU)	500 (50) Stück
Packaging type	Box
Country of origin VKOrg Germany	DE
GTIN	4044918441407
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates

UL-Approvals

Approval	Standard	Certificate name
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 243-212

Documentation

Additional Information

Technical Section	03.04.2019	pdf 1949.09 KB

CAD/CAE-Data

CAD data

2D/3D Models 243-212

CAE data

EPLAN Data Portal 243-212

WSCAD Universe 243-212

ZUKEN Portal 243-212

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.