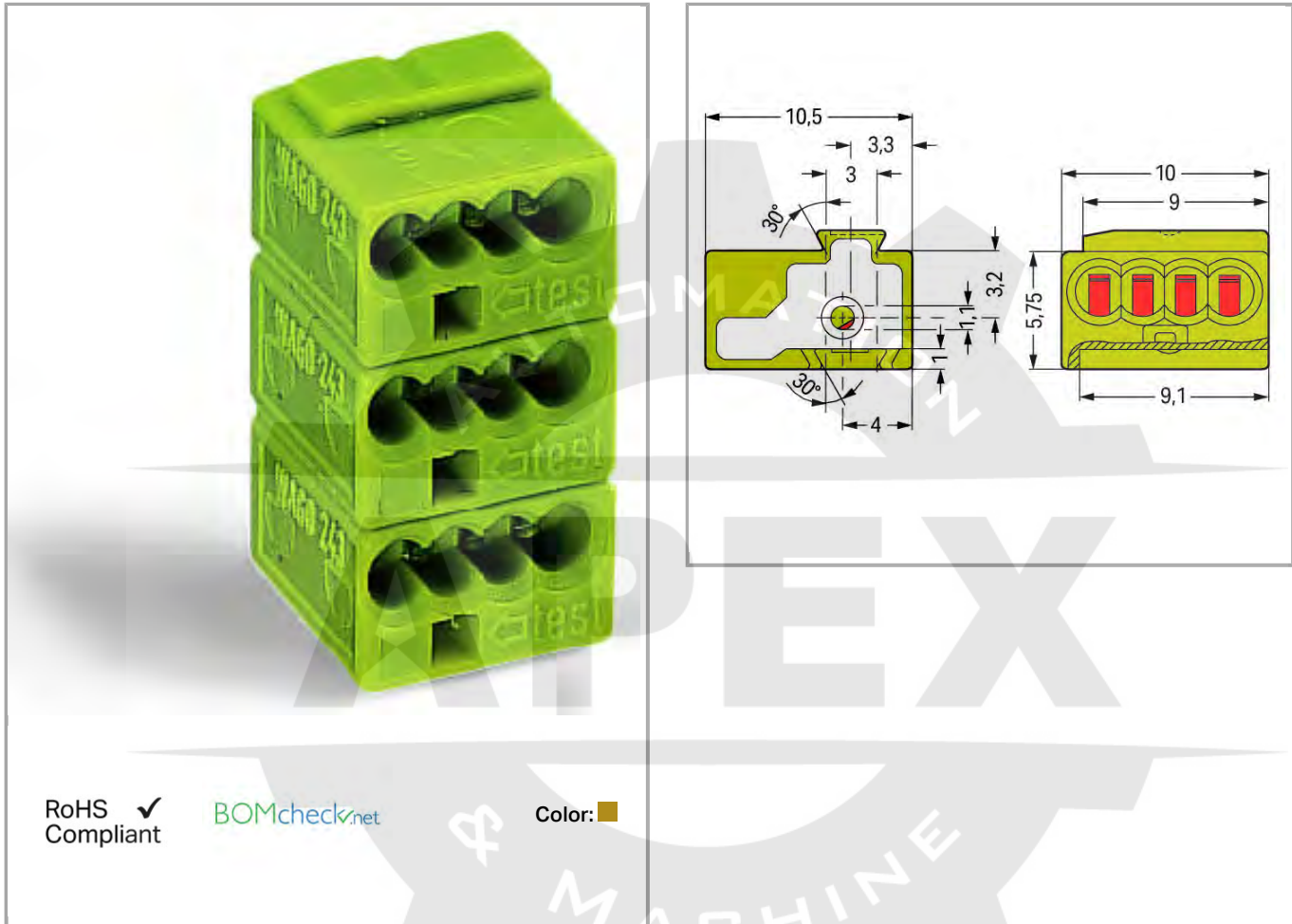


## Data sheet | Item number: 243-745

4-conductor modular PCB connector; for individual solder pins; 0.8 mm Ø;  
Pin spacing 5.75 mm; 5-pole



243-745



### Item description

- Compact, 4-conductor PCB connectors 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

### Data

#### Electrical data

## Ratings per IEC/EN 60664-1

|                                 |       |
|---------------------------------|-------|
| Rated 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  |
| Rated voltage (II / 2)          | 630 V |
| Rated impulse voltage (II / 2)  | 4 kV  |
| Rated current                   | 6 A   |

## 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   |

## 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 technology             | PUSH WIRE®                                |
| Connectable conductor materials   | Copper                                    |
| Solid conductor                   | 0.5 ... 1 mm <sup>2</sup> / 24 ... 18 AWG |
| Conductor diameter                | 0.5 ... 1 mm                              |
| Strip length                      | 5 ... 6 mm / 0.2 ... 0.24 inch            |
| Conductor entry angle to the PCB  | 0°                                        |
| No. of poles                      | 5                                         |
| Total number of connection points | 20                                        |
| Total number of potentials        | 5                                         |
| Number of connection types        | 1                                         |
| Number of levels                  | 1                                         |

## Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 5.75 mm / 0.226 inch |
| Width       | 28.5 mm / 1.122 inch |
| Height      | 10 mm / 0.394 inch   |



|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Depth                             | 10.5 mm / 0.413 inch                |
| Solder pin length                 | 4.5 mm                              |
| Solder pin diameter               | 1 mm                                |
| Drilled hole diameter (tolerance) | 1.2 <sup>(-0.05 ... +0.05)</sup> mm |

### Plug connection

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

### PCB contact

|             |     |
|-------------|-----|
| PCB contact | THT |
|-------------|-----|

### Material Data

|                             |                                        |
|-----------------------------|----------------------------------------|
| Color                       | light green                            |
| Material group              | I                                      |
| Insulating material         | Polyamide 66 (PA 66)                   |
| Flammability class per UL94 | V0                                     |
| Clamping spring material    | Copper alloy                           |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> ) |
| Contact plating             | tin-plated                             |
| Fire load                   | 0.06 MJ                                |
| Weight                      | 3.735 g                                |

### Environmental Requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|

### Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4044918442077 |
| Customs Tariff No. | 85369010000   |

### Approvals / Certificates

#### Country specific Approvals

| Logo | Approval                        | Additional Approval Text | Certificate name |
|------|---------------------------------|--------------------------|------------------|
|      | CCA<br>DEKRA Certification B.V. | EN 60998                 | NTR NL<br>7486   |



CSA  
DEKRA Certification B.V.

C22.2

70048857



CSA  
DEKRA Certification B.V.

70048857



CSA  
DEKRA Certification B.V.

C22.2

70048857



KEMA/KEUR  
DEKRA Certification B.V.

EN 60998

2193300.01

## Ship Approvals

Logo

Approval

Additional Approval Text

Certificate  
name

ABS  
American Bureau of Shipping

-

18-  
HG1755093-  
PDA

## UL-Approvals

Logo

Approval

Additional Approval Text

Certificate  
name

UR  
Underwriters Laboratories Inc.

UL 1059

E45172

## Compatible products

**General accessories**

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**Item no.: 243-131**

Board-to-Board Link; 1-pole

243-131

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**Marking accessories**

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**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

/575-103

210-332

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Subject to changes.

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