

## Data sheet | Item number: 769-610/006-000

1-conductor male connector; Snap-in flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 10-pole



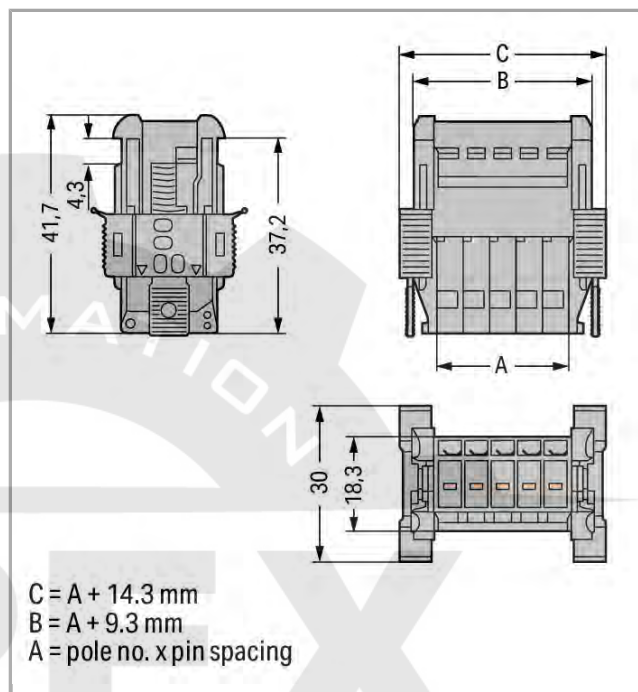
769-610/006-000



RoHS Compliant

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Color:



### Data

#### Electrical data

#### Ratings per IEC/EN 60664-1

|                                 |       |
|---------------------------------|-------|
| Rated voltage (III / 3)         | 500 V |
| Rated impulse voltage (III / 3) | 6 kV  |
| Rated current                   | 32 A  |

#### Connection data

|                                 |                                            |
|---------------------------------|--------------------------------------------|
| Connection technology           | CAGE CLAMP®                                |
| Actuation type                  | Operating tool                             |
| Connectable conductor materials | Copper                                     |
| Nominal cross section           | 4 mm <sup>2</sup>                          |
| Solid conductor                 | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor         | 0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                    | 8 ... 9 mm / 0.31 ... 0.35 inch            |

|                                   |                   |
|-----------------------------------|-------------------|
| No. of poles                      | 10                |
| Total number of connection points | 10                |
| Total number of potentials        | 10                |
| Type of wiring                    | Side-entry wiring |

### Geometrical Data

|             |                      |
|-------------|----------------------|
| Pin spacing | 5 mm / 0.197 inch    |
| Width       | 64.3 mm / 2.531 inch |
| Height      | 30 mm / 1.181 inch   |
| Depth       | 41.7 mm / 1.642 inch |

### Mechanical data

|               |         |
|---------------|---------|
| Mounting type | Snap-in |
|---------------|---------|

### Plug connection

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector connection type          | for conductors      |

### Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.723 MJ             |
| Weight              | 34.08 g              |

### Commercial data

|                    |                   |
|--------------------|-------------------|
| Product Group      | 18 (X-COM-System) |
| Country of origin  | PL                |
| GTIN               | 4045454917074     |
| Customs Tariff No. | 85366990990       |

### Approvals / Certificates

#### Country specific Approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 61984                 | 2190419.02       |
|                                                                                    | CCA<br>DEKRA Certification B.V. | IEC 61984                | NL-47799         |
|                                                                                    | CSA                             | C22.2 No. 158            | 1101144          |



DEKRA Certification B.V.

## UL-Approvals

| Logo                                                                             | Approval                             | Additional Approval Text | Certificate name |
|----------------------------------------------------------------------------------|--------------------------------------|--------------------------|------------------|
|  | UR<br>Underwriters Laboratories Inc. | UL 1977                  | E45171           |
|  | UR<br>Underwriters Laboratories Inc. | UL 1059                  | E45172           |

## Compatible products

## Marking accessories

|                                                                                    |                                                                                                                        |                      |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|----------------------|
|  | Item no.: 2009-145<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type         | 2009-145             |
|  | Item no.: 2009-145/000-002<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-002 |
|  | Item no.: 2009-145/000-005<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-005 |
|  | Item no.: 2009-145/000-006<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-006 |
|  | Item no.: 2009-145/000-007<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-007 |
|  | Item no.: 2009-145/000-012<br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145<br>/000-012 |

|                                                                                    |                                                                                                                               |          |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------|
|    | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type  | 2009-145 |
|                                                                                    | 7000-023                                                                                                                      |          |
|    | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type | 2009-145 |
|                                                                                    | 7000-024                                                                                                                      |          |
|    | <b>Item no.: 210-831</b><br>Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive                                        | 210-831  |
|    | <b>Item no.: 210-832</b><br>Marking strips; on reel; 3 mm wide; plain; Self-adhesive                                          | 210-832  |
|    | <b>Item no.: 210-833</b><br>Marking strips; on reel; 6 mm wide; plain; Self-adhesive                                          | 210-833  |
|    | <b>Item no.: 210-834</b><br>Marking strips; on reel; 5 mm wide; plain; Self-adhesive                                          | 210-834  |
|    | <b>Item no.: 248-501</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card  | 248-501  |
|    | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-002                                                                                                                      |          |
|   | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-005                                                                                                                      |          |
|  | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-006                                                                                                                      |          |
|  | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-007                                                                                                                      |          |
|  | <b>Item no.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-012                                                                                                                      |          |
|  | <b>Item no.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-017                                                                                                                      |          |
|  | <b>Item no.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-023                                                                                                                      |          |
|  | <b>Item no.: 248-501/000-024</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                      | 248-501  |
|                                                                                    | 7000-024                                                                                                                      |          |
| <b>ferrule</b>                                                                     |                                                                                                                               |          |
|   | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated                 | 216-101  |

|                                                                                  |                                                                                                                |         |
|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated | 216-102 |
|  | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated    | 216-103 |
|  | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated  | 216-104 |
|  | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated    | 216-201 |
|  | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated   | 216-202 |
|  | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated      | 216-203 |
|  | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated    | 216-204 |
|  | <b>Item no.: 216-206</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated    | 216-206 |

**Coding**

|                                                                                  |                                                                                                                   |         |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------|
|  | <b>Item no.: 769-435</b><br>Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors | 769-435 |
|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|---------|

**Female plug**

|                                                                                    |                                                                                         |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------|
|  | <b>Item no.: 769-101</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 1-pole         | 769-101             |
|  | <b>Item no.: 769-101/000-016</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 1-pole | 769-101<br>/000-016 |
|  | <b>Item no.: 769-102</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole         | 769-102             |
|  | <b>Item no.: 769-102/000-036</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole | 769-102<br>/000-036 |
|  | <b>Item no.: 769-102/000-037</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole | 769-102<br>/000-037 |
|  | <b>Item no.: 769-103</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole         | 769-103             |
|  | <b>Item no.: 769-103/000-036</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole | 769-103<br>/000-036 |
|  | <b>Item no.: 769-103/000-037</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole | 769-103<br>/000-037 |

|                                                                                    |                                                                                         |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------|
|    | <b>Item no.: 769-103/000-038</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole | 769-103<br>/000-038 |
|    | <b>Item no.: 769-103/000-039</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole | 769-103<br>/000-039 |
|    | <b>Item no.: 769-104</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole         | 769-104             |
|    | <b>Item no.: 769-104/000-036</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole | 769-104<br>/000-036 |
|    | <b>Item no.: 769-104/000-037</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole | 769-104<br>/000-037 |
|    | <b>Item no.: 769-104/000-038</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole | 769-104<br>/000-038 |
|    | <b>Item no.: 769-104/000-039</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole | 769-104<br>/000-039 |
|   | <b>Item no.: 769-105</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole         | 769-105             |
|  | <b>Item no.: 769-105/000-036</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole | 769-105<br>/000-036 |
|  | <b>Item no.: 769-105/000-037</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole | 769-105<br>/000-037 |
|  | <b>Item no.: 769-105/000-038</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole | 769-105<br>/000-038 |
|  | <b>Item no.: 769-105/000-039</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole | 769-105<br>/000-039 |
|  | <b>Item no.: 769-106</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole         | 769-106             |
|  | <b>Item no.: 769-106/000-006</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole | 769-106<br>/000-006 |
|  | <b>Item no.: 769-106/000-036</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole | 769-106<br>/000-036 |
|                                                                                    | <b>Item no.: 769-106/000-037</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole | 769-106<br>/000-037 |



**Item no.: 769-106/000-038**  
1-conductor female plug; 4 mm<sup>2</sup>; 6-pole

/000-038

769-106



**Item no.: 769-106/000-039**  
1-conductor female plug; 4 mm<sup>2</sup>; 6-pole

/000-039

769-106



**Item no.: 769-107**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole

769-107



**Item no.: 769-107/000-036**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole

/000-036

769-107



**Item no.: 769-107/000-037**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole

/000-037

769-107



**Item no.: 769-107/000-038**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole

/000-038

769-107



**Item no.: 769-107/000-039**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole

/000-039

769-107



**Item no.: 769-108**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole

769-108



**Item no.: 769-108/000-036**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole

/000-036

769-108



**Item no.: 769-108/000-037**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole

/000-037

769-108



**Item no.: 769-108/000-038**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole

/000-038

769-108



**Item no.: 769-108/000-039**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole

/000-039

769-108



**Item no.: 769-109**  
1-conductor female plug; 4 mm<sup>2</sup>; 9-pole

769-109



**Item no.: 769-109/000-036**  
1-conductor female plug; 4 mm<sup>2</sup>; 9-pole

/000-036

769-109



**Item no.: 769-109/000-037**  
1-conductor female plug; 4 mm<sup>2</sup>; 9-pole

/000-037

769-109



|                                                                                    |                                                                                                         |                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------|
|    | <b>Item no.: 769-109/000-038</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole                 | 769-109<br>/000-038 |
|    | <b>Item no.: 769-109/000-039</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 9-pole                 | 769-109<br>/000-039 |
|    | <b>Item no.: 769-110</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole                        | 769-110             |
|    | <b>Item no.: 769-110/000-036</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole                | 769-110<br>/000-036 |
|    | <b>Item no.: 769-110/000-037</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole                | 769-110<br>/000-037 |
|    | <b>Item no.: 769-110/000-038</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole                | 769-110<br>/000-038 |
|    | <b>Item no.: 769-110/000-039</b><br>1-conductor female plug; 4 mm <sup>2</sup> ; 10-pole                | 769-110<br>/000-039 |
|  | <b>Item no.: 769-110/021-000</b><br>1-conductor female plug; Locking lever; 4 mm <sup>2</sup> ; 10-pole | 769-110<br>/021-000 |
|  | <b>Item no.: 769-121</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 1-pole                    | 769-121             |
|  | <b>Item no.: 769-121/000-016</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 1-pole            | 769-121<br>/000-016 |
|  | <b>Item no.: 769-122</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 2-pole                    | 769-122             |
|  | <b>Item no.: 769-123</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 3-pole                    | 769-123             |
|  | <b>Item no.: 769-124</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 4-pole                    | 769-124             |
|  | <b>Item no.: 769-125</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 5-pole                    | 769-125             |
|  | <b>Item no.: 769-126</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 6-pole                    | 769-126             |
|  | <b>Item no.: 769-127</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 7-pole                    | 769-127             |
|  | <b>Item no.: 769-128</b><br>2-conductor female connector; 4 mm <sup>2</sup> ; 8-pole                    | 769-128             |





**Item no.: 769-129**  
2-conductor female connector; 4 mm²; 9-pole

769-129



**Item no.: 769-130**  
2-conductor female connector; 4 mm²; 10-pole

769-130

#### Insulation stop



**Item no.: 769-470**  
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip

769-470



**Item no.: 769-471**  
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip

769-471



**Item no.: 769-472**  
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip

769-472

#### Strain relief plate



**Item no.: 769-410**  
Strain relief plate

769-410



**Item no.: 769-414**  
Strain relief plate

769-414

#### Protective Warning Marker



**Item no.: 280-415**  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks

280-415

#### tools



**Item no.: 210-490**  
Operating tool; for female and male connectors with CAGE CLAMP® connection

210-490



**Item no.: 769-434**  
Push-button; loose; for female and male connectors with CAGE CLAMP® connection

769-434

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