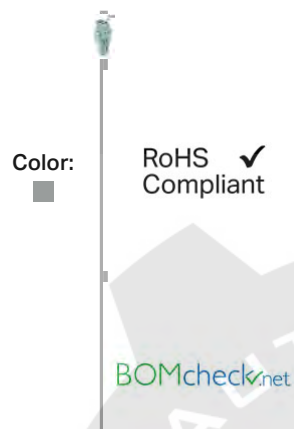


## Data sheet | Item number: 769-104/021-000

1-conductor female plug; Locking lever; 4 mm<sup>2</sup>; 4-pole

769-104/021-000



### Item description

According to EN 61984, pluggable connectors without current interrupting capacity shall not be mated and unmated when live or under load.

### 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                      | 4                                          |
| Total number of connection points | 4                                          |
| Total number of potentials        | 4                                          |
| Type of wiring                    | Front-entry wiring                         |

## Geometrical Data

|              |                      |
|--------------|----------------------|
| Width        | 35.6 mm / 1.402 inch |
| Height       | 45.2 mm / 1.78 inch  |
| Depth        | 18.3 mm / 0.72 inch  |
| Module width | 5 mm / 0.197 inch    |

## Mechanical data

|               |              |
|---------------|--------------|
| Marking level | Side marking |
|---------------|--------------|

## Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for conductors          |

## Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.263 MJ             |
| Weight              | 14.358 g             |

## Commercial data

|                    |               |
|--------------------|---------------|
| Country of origin  | DE            |
| GTIN               | 4044918481274 |
| Customs Tariff No. | 85366990990   |

## Approvals / Certificates

### Country specific Approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL-7626      |
|  | CCA<br>DEKRA Certification B.V. | EN 61984                 | 2190419.02       |
|                                                                                    | CCA<br>DEKRA Certification B.V. | IEC 61984                | NL-47799         |
|                                                                                    | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 1101144          |



KEMA/KEUR  
DEKRA Certification B.V.

EN 60947

2190419.01

#### Ship Approvals

| Logo                                                                             | Approval                           | Additional Approval Text | Certificate name         |
|----------------------------------------------------------------------------------|------------------------------------|--------------------------|--------------------------|
|  | ABS<br>American Bureau of Shipping | EN 60947                 | 14-<br>HG1293677-<br>PDA |

#### 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

#### Insulation stop

|                                                                                    |                                                                                                                    |         |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------|
|  | Item no.: 769-470<br>Insulation stop; 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st"); 5 pieces/strip | 769-470 |
|  | Item no.: 769-471<br>Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip                                  | 769-471 |
|  | Item no.: 769-472<br>Insulation stop; 0.75 - 1 mm <sup>2</sup> ; 5 pieces/strip                                    | 769-472 |

## Jumper

**Item no.: 769-402**

Miniature adjacent jumper; insulated; suitable for 1-conductor female plugs

769-402

## Strain relief plate

**Item no.: 769-1604**

Strain relief housing

769-1604

**Item no.: 769-412**

Strain relief plate

769-412

## Marking accessories

**Item no.: 2009-145**

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**

Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

/000-002

**Item no.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

/000-005

**Item no.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

/000-006

**Item no.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

/000-007

**Item no.: 2009-145/000-012**

Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

/000-012

**Item no.: 2009-145/000-023**

Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

/000-023

**Item no.: 2009-145/000-024**

Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type

2009-145

/000-024

**Item no.: 210-805**

Labels; for Smart Printer

210-805

**Item no.: 210-805/000-002**

Labels; for Smart Printer

210-805

/000-002

**Item no.: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive

210-831

**Item no.: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive

210-832

**Item no.: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive

210-834

**Item no.: 248-501**

Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card

248-501

**Item no.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-002

248-501

**Item no.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-005

248-501

**Item no.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-006

248-501

**Item no.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-007

248-501

**Item no.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-012

248-501

**Item no.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-017

248-501

**Item no.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-023

248-501

**Item no.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type

/000-024

248-501

**Male plug****Item no.: 769-604**1-conductor male connector; 4 mm<sup>2</sup>; Pin spacing 5 mm; 4-pole

769-604

**Item no.: 769-604/001-000**1-conductor male connector; Snap-in mounting feet; 4 mm<sup>2</sup>; Pin spacing 5 mm; 4-pole

/001-000

769-604

**Item no.: 769-604/002-000**1-conductor male connector; clamping collar; 4 mm<sup>2</sup>; Pin spacing 5 mm; 4-pole

/002-000

769-604

**Item no.: 769-604/004-000**1-conductor male connector; Feedthrough flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 4-pole

/004-000

769-604

**Item no.: 769-604/005-000**1-conductor male connector; Snap-in flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 4-pole

/005-000

769-604

**Item no.: 769-604/006-000**1-conductor male connector; Snap-in flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 4-pole

/006-000

769-604

|                                                                                    |                                                                                                                                   |                     |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|---------------------|
|    | <b>Item no.: 769-634</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 4-pole                          | 769-634             |
|    | <b>Item no.: 769-634/000-036</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 4-pole                  | 769-634<br>/000-036 |
|    | <b>Item no.: 769-634/003-000</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 4-pole | 769-634<br>/003-000 |
|    | <b>Item no.: 769-634/003-036</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 4-pole                  | 769-634<br>/003-036 |
|    | <b>Item no.: 769-634/004-000</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 4-pole                  | 769-634<br>/004-000 |
|    | <b>Item no.: 769-634/007-000</b><br>THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 4-pole | 769-634<br>/007-000 |
|    | <b>Item no.: 769-664</b><br>THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 4-pole                            | 769-664             |
|  | <b>Item no.: 769-664/003-000</b><br>THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 4-pole   | 769-664<br>/003-000 |
|  | <b>Item no.: 769-664/004-000</b><br>THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 4-pole                    | 769-664<br>/004-000 |
| <b>ferrule</b>                                                                     |                                                                                                                                   |                     |
|   | <b>Item no.: 216-101</b><br>Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated                                 | 216-101             |
|   | <b>Item no.: 216-102</b><br>Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated                                | 216-102             |
|   | <b>Item no.: 216-103</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated                                   | 216-103             |
|   | <b>Item no.: 216-104</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated                                 | 216-104             |
|   | <b>Item no.: 216-201</b><br>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated                                   | 216-201             |
|   | <b>Item no.: 216-202</b><br>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated                                  | 216-202             |
|   | <b>Item no.: 216-203</b><br>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated                                     | 216-203             |
|   | <b>Item no.: 216-204</b><br>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated                                   | 216-204             |

|                                                                                    |                                                                                                        |         |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|---------|
|    | Item no.: 216-206<br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated   | 216-206 |
|                                                                                    | Item no.: 216-301<br>Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated  | 216-301 |
|    | Item no.: 216-302<br>Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated  | 216-302 |
| <b>Locking lever</b>                                                               |                                                                                                        |         |
|    | Item no.: 769-428<br>Locking lever                                                                     | 769-428 |
|    | Item no.: 769-429<br>Locking lever                                                                     | 769-429 |
|    | Item no.: 769-430<br>Locking lever                                                                     | 769-430 |
|    | Item no.: 769-431<br>Locking lever                                                                     | 769-431 |
| <b>Protective Warning Marker</b>                                                   |                                                                                                        |         |
|    | Item no.: 280-415<br>Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks | 280-415 |
| <b>check</b>                                                                       |                                                                                                        |         |
|  | Item no.: 210-136<br>Test plug; 2 mm Ø; with 500 mm cable                                              | 210-136 |
|  | Item no.: 210-137<br>Test plug; 2.3 mm Ø; with 500 mm cable                                            | 210-137 |
| <b>General accessories</b>                                                         |                                                                                                        |         |
|  | Item no.: 769-436<br>Jumper cover; for 1-conductor female plugs; for 5 poles                           | 769-436 |

## Downloads Documentation

### Bid Text

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## CAD/CAE - Smart Data

### CAD data

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