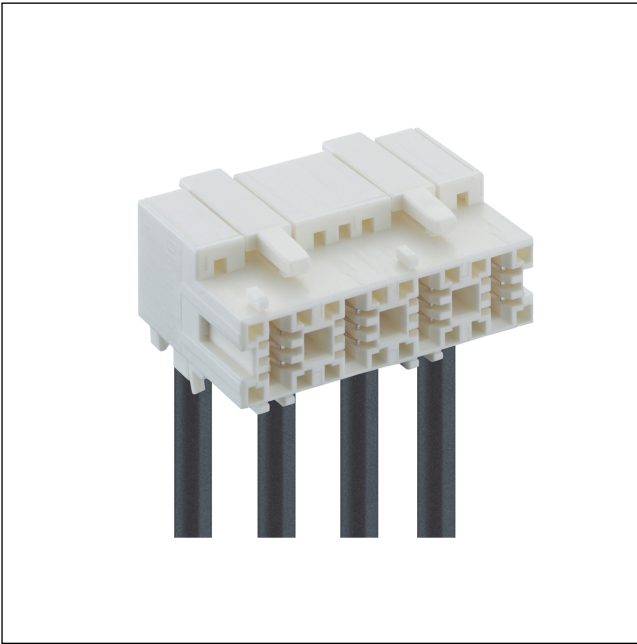


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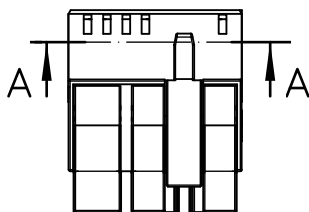
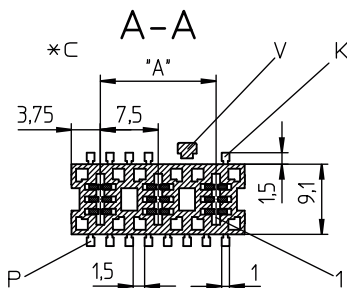
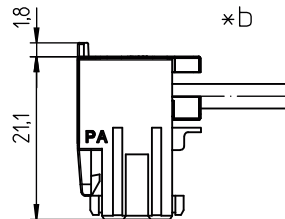
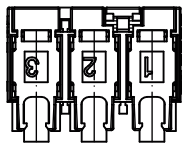
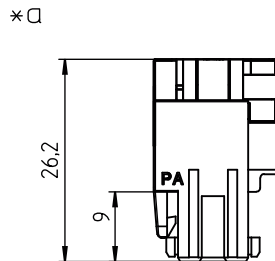
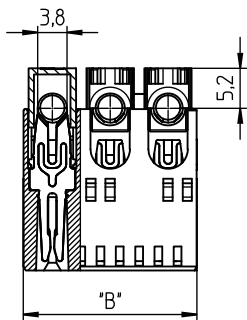
RAST 7.5 Power™ connectors, pitch 7.5 mm



RAST 7.5 Power™ connector for indirect mating, insulation displacement technology (IDT), with exterior locking, consecutive placement without loss of pitch

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### Environmental conditions

Temperature range -40 °C/+130 °C<sup>1</sup>

<sup>1</sup> upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

### Materials

Insulating body PA, V-2 according to UL94<sup>1</sup>

Contact spring CuNiSi, silver-plated

<sup>1</sup> component glow wire resistant (GWT 750 °C), testing acc. to IEC 60695-2-11, assessment acc. to IEC 60335-1 (flame < 2 s)

### Mechanical data

Mating with tab contact 6.3 mm x 0.8 mm according to DIN 46244

Insertion force ≤ 95 N<sup>1</sup>

Withdrawal force ≥ 45 N<sup>1</sup>

Keying proposals at [www.lumberg.com](http://www.lumberg.com) 

<sup>1</sup> measured at a mating pair of connectors 3690 02/3695 02

### Connectable conductors for IDT area

Construction discrete conductor

Section max. AWG 14 (2,5 mm<sup>2</sup>)

Insulation diameter 3,6 mm

Approved cables at [www.lumberg.com](http://www.lumberg.com) 

### Electrical data (at T<sub>amb</sub> 20 °C)

Contact resistance ≤ 5 mΩ

Rated current 25 A (T<sub>amb</sub> 85 °C)

Rated voltage 500 V AC

Material group IIIa (IEC)/2 (UL) (CTI ≥ 250)

Creepage distance 5,7 mm

Clearance 5,7 mm

Insulation resistance > 10 GΩ

### Associated products

Counterparts

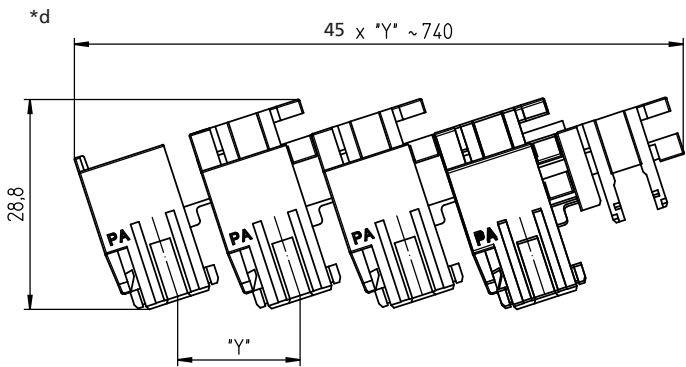
 3695

Harnessing equipment

 KHP369

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- \*a terminated connector
- \*b cable departure 90° or 180°
- \*c K = keying  
 P = positioning  
 V = lock
- \*d chaining of the component parts (state of delivery)

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| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions |        |
|-------------|-------------|-------------|--------------|------------|--------|
|             |             |             |              | A (mm)     | B (mm) |
| 3690 02     | 2           | 2025        | 2025         | 7.5        | 15.0   |
| 3690 03     | 3           | 1215        | 1215         | 15.0       | 22.5   |
| 3690 04     | 4           | 810         | 810          | 22.5       | 30.0   |

Designation to be completed by further details (e.g. for keying, color or material options).

**Packaging:**

chained, in a cardboard box