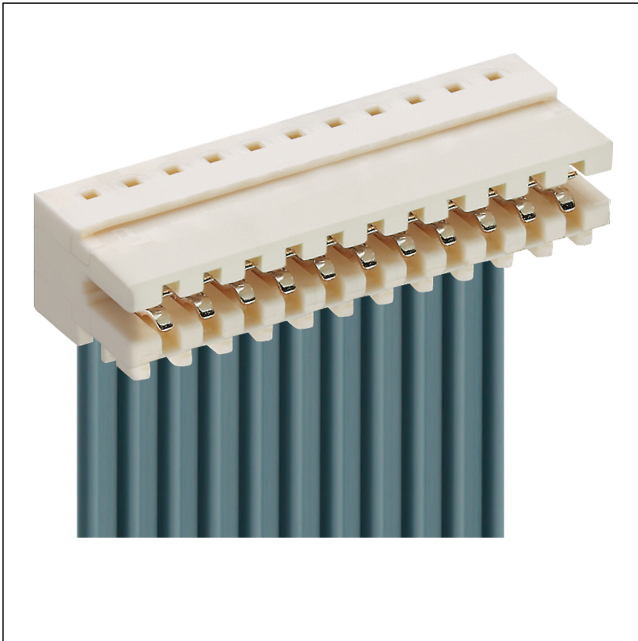


35 3520-2

RAST 2.5 connectors, pitch 2.5/5.0 mm



RAST 2.5 connector for direct and indirect mating,  
insulation displacement technology (IDT), with interior  
locking, for ribbon cable  
contact pitch 2.5 mm

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State: Active

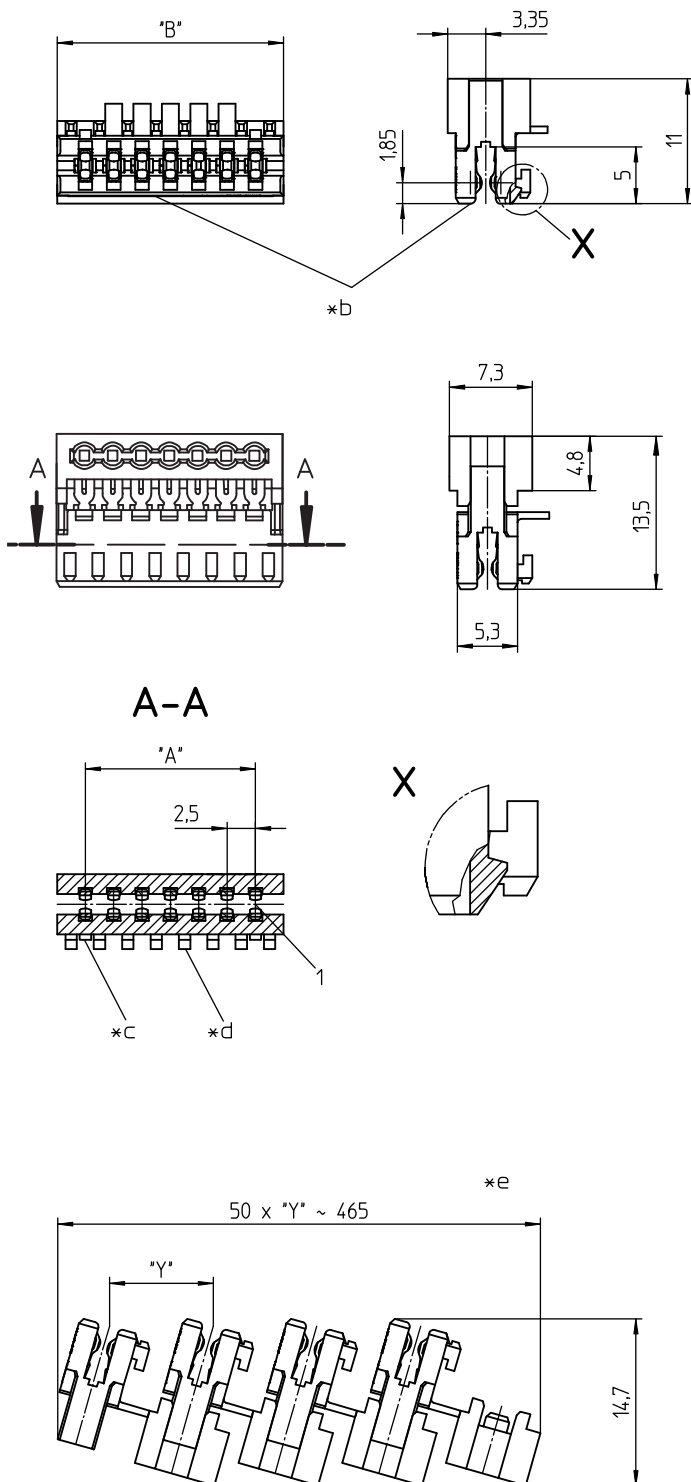
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Approvals:



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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 PBT, V-0 according to UL94 – 3520-2 (S...V...)  
PA, V-2 according to UL94 – 3520-2 M12(S...V...)<sup>1</sup>

Contact spring CuSn, tin-plated – 3520-2 (M...S...)  
CuSn, tin-plated (Sn/Ag), 2-9 poles – 3520-2 (M...S...)V03  
CuSn, pre-nickel and gold-plated – 3520-2 (M...S...)V102

<sup>1</sup> M12: 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 Leiterplatte 1,5 ± 0,14 mm  
Insertion force/contact ≤ 4,0 N  
Withdrawal force/contact ≥ 0,5 N  
Keying proposals at [www.lumberg.com](http://www.lumberg.com) 

### Connectable conductors for IDT area

Construction discrete conductor, flat cable 2.5 mm  
Section min. 0,14 mm<sup>2</sup>  
Section max. 0,38 mm<sup>2</sup>  
Insulation diameter ≤ 1,6 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 4 A (T<sub>u</sub> 60 °C)  
2 A (T<sub>u</sub> 100 °C)  
Rated voltage 32 V AC  
Material group IIIa (IEC)/2 (UL) (CTI ≥ 250)  
Creepage distance 0,6 mm  
Clearance 0,6 mm  
Insulation resistance > 1 GΩ

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3520-2

- \*a terminated connector
- \*b color marking:  
3520-2 (M...)S01 blue  
3520-2 (M...)S02 green  
3520-2 (M...)S03 brown
- \*c lock (detail X)
- \*d keying
- \*e chaining of the component parts (state of delivery)

#### Associated products

##### Counterparts

↗ 3551      ↗ 355195      ↗ 3555

##### Accessories

↗ 3501

##### Harnessing equipment

|                |                   |          |
|----------------|-------------------|----------|
| ↗ HA3...e      | ↗ HA35-CA         | ↗ HA35e  |
| ↗ HA35e-CA     | ↗ HA35e-RK        | ↗ HZ-M35 |
| ↗ HZ35         | ↗ HZ35-K          | ↗ KHP35  |
| ↗ VARICON 7000 | ↗ VARICON 7000-RD |          |

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| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions |        |
|-------------|-------------|-------------|--------------|------------|--------|
|             |             |             |              | A (mm)     | B (mm) |
| 3520-2 04   | 4           | 2700        | 5400         | 7.5        | 12.4   |
| 3520-2 05   | 5           | 2250        | 2250         | 10.0       | 14.9   |
| 3520-2 06   | 6           | 1800        | 3600         | 12.5       | 17.4   |
| 3520-2 07   | 7           | 1800        | 3600         | 15.0       | 19.9   |
| 3520-2 08   | 8           | 1350        | 2700         | 17.5       | 22.4   |
| 3520-2 09   | 9           | 1350        | 2700         | 20.0       | 24.9   |
| 3520-2 10   | 10          | 1350        | 2700         | 22.5       | 27.4   |
| 3520-2 11   | 11          | 900         | 2700         | 25.0       | 29.9   |
| 3520-2 12   | 12          | 900         | 2700         | 27.5       | 32.4   |
| 3520-2 13   | 13          | 900         | 2700         | 30.0       | 34.9   |
| 3520-2 14   | 14          | 900         | 2700         | 32.5       | 37.4   |
| 3520-2 15   | 15          | 900         | 2700         | 35.0       | 39.9   |
| 3520-2 16   | 16          | 450         | 2700         | 37.5       | 42.4   |
| 3520-2 17   | 17          | 450         | 2700         | 40.0       | 44.9   |
| 3520-2 18   | 18          | 450         | 2700         | 42.5       | 47.4   |
| 3520-2 19   | 19          | 450         | 2700         | 45.0       | 49.9   |
| 3520-2 20   | 20          | 450         | 2700         | 47.5       | 52.4   |

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

**Packaging:**

chained, in a cardboard box