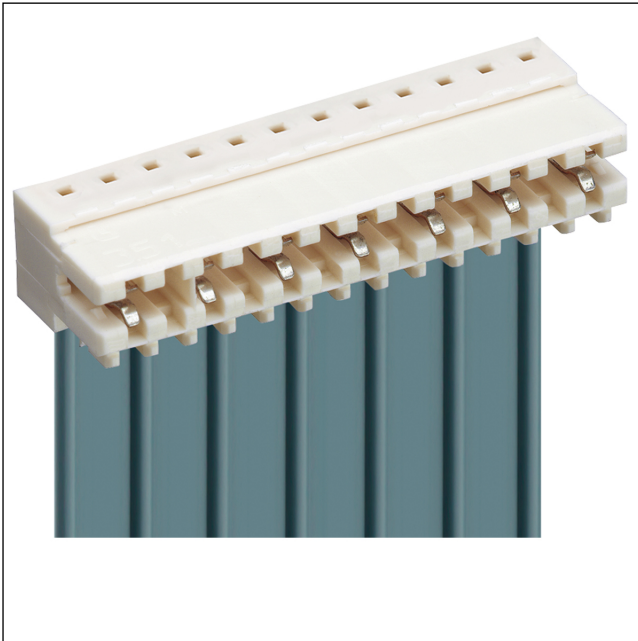



35

3518-2

RAST 2.5 connectors, pitch 2.5/5.0 mm

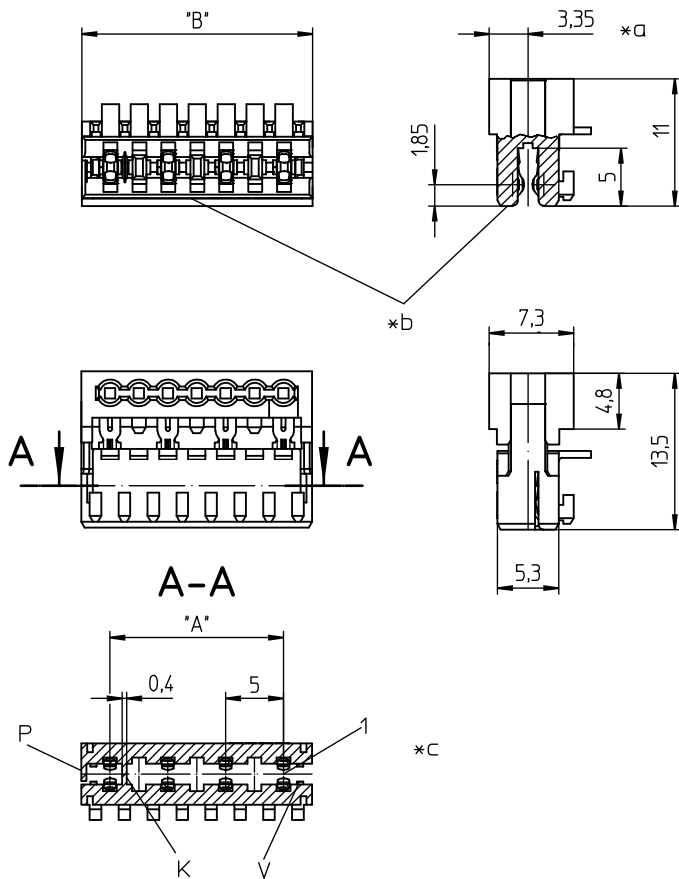


RAST 2.5 connector for direct mating, insulation displacement technology (IDT), with locking on printed circuit board by means of locking toes, alternatively with or without keying rib and closed sides, for ribbon cable, consecutive placement without loss of pitch contact pitch 5.0 mm

Approvals: 

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3518-2



Environmental conditions

Temperature range -40 °C/+130 °C¹

¹ upper limit temperature (insulating body) RTI (electrical) of the UL Yellow Card

Materials

Insulating body PBT, V-0 according to UL94 – 3518-2 (S...V...)
PA, V-2 according to UL94 – 3518-2 M12(S...V...)¹

Contact spring CuSn, tin-plated – 3518-2 (M...S...)
CuSn, tin-plated (Sn/Ag), 2-9 poles – 3518-2 (M...S...)/V03
CuSn, pre-nickel and gold-plated – 3518-2 (M...S...)/V102

¹ 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 printed circuit board 1.5 ± 0.14 mm

Insertion force/contact ≤ 4,0 N¹

Withdrawal force/contact ≥ 0,5 N¹

Retaining force/locking ≥ 6,0 N²

Keying proposals at www.lumberg.com 

¹ measured with a polished steel pin, nominal thickness 1.5 mm

² measured with a polished steel gauge, nominal thickness 1.5 mm


Connectable conductors for IDT area

Construction discrete conductor, flat cable 2.5 mm

Section min. 0,14 mm²

Section max. 0,38 mm²

Insulation diameter ≤ 1,6 mm

Approved cables at www.lumberg.com 

Electrical data (at T_{amb} 20 °C)

Contact resistance ≤ 5 mΩ

Rated current 4 A (T_{amb} 60 °C)
2 A (T_{amb} 100 °C)

Rated voltage 250 V AC

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

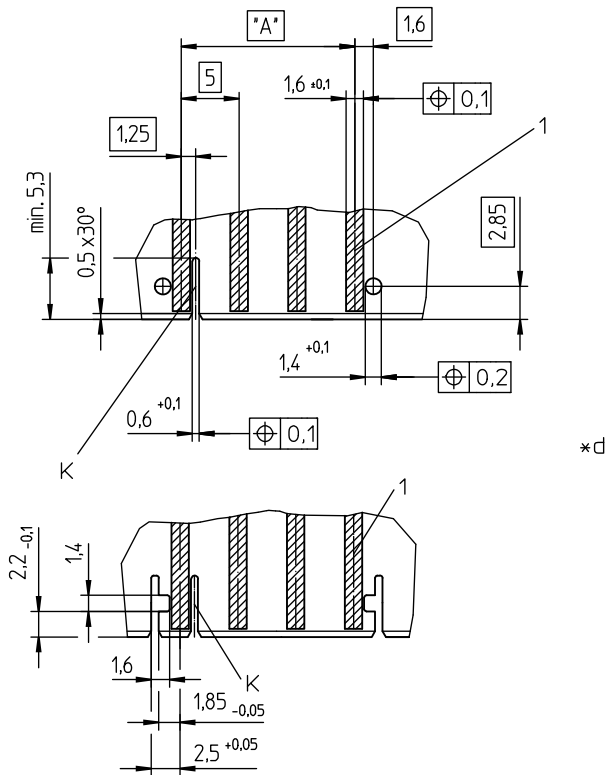
Creepage distance 3,1 mm

Clearance 3,1 mm

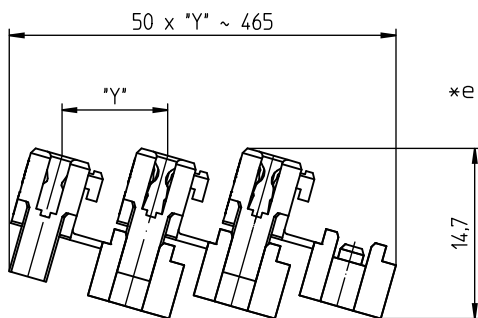
Insulation resistance > 1 GΩ

35

3518-2



*d



- *a terminated connector
- *b color marking:
3518-2 (M..)S01 blue
3518-2 (M..)S02 green
3518-2 (M..)S03 brown
- *c K = keying (alternatively)
P1, P2 = positioning (alternatively)
V = lock
- *d examples for printed circuit board layouts
- *e chaining of the component parts (state of delivery)

Associated products

Harnessing equipment

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

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions	
				A (mm)	B (mm)
3518-2 02	2	3600	3600	5.0	9.9
3518-2 03	3	2250	4500	10.0	14.9
3518-2 04	4	1800	3600	15.0	19.9
3518-2 05	5	1350	2700	20.0	24.9
3518-2 06	6	900	2700	25.0	29.9
3518-2 07	7	900	2700	30.0	34.9
3518-2 08	8	900	2700	35.0	39.9
3518-2 09	9	450	2700	40.0	44.9
3518-2 10	10	450	2700	45.0	49.9

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

Packaging:

chained, in a cardboard box