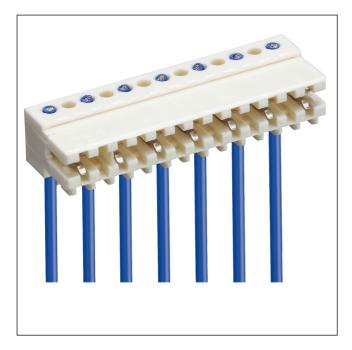




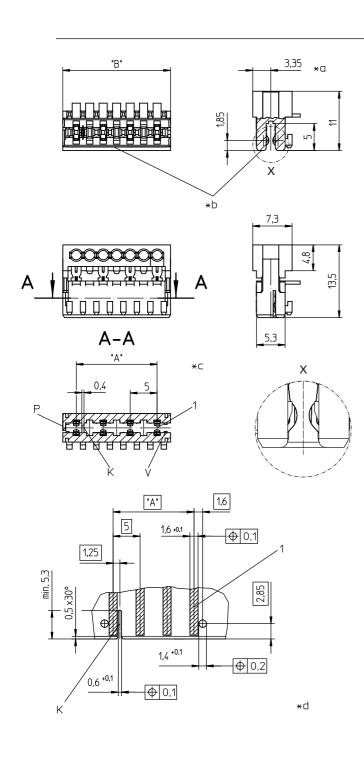
## RAST 2.5 connectors, pitch 2.5/5.0 mm



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



# 35 3518-4



### **Environmental conditions**

Temperature range

-40 °C/+130 °C1

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

#### Materials

Insulating body PBT, V-0 according to UL94 – 3518-4 S03V... PA, V-2 according to UL94 – 3518-4 M12S03V...<sup>1</sup> Contact spring CuSn, tin-plated (Sn/Ag) – 3518-4 (M...)S03V03 CuSn, pre-nickel and gold-plated – 3518-4 (M...)S03V102

 $^1$  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 N <sup>1</sup>			
Withdrawal force/contact	≥ 0,5 N <sup>1</sup>			
Retaining force/locking	≥ 13,4 N <sup>2</sup>			
Keying proposals	at www.lumberg.com 🗗			
1				

<sup>1</sup> measured with a polished steel pin, nominal thickness 1.5 mm

 $^{\rm 2}$  measured with a polished steel gauge, nominal thickness 1.5 mm

#### Connectable conductors for IDT area

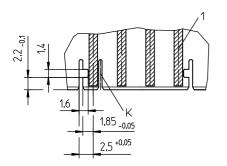
discrete conductor, notched flat cable 2.5 mm
0,14 mm <sup>2</sup>
0,38 mm <sup>2</sup>
≤ 1,6 mm
at www.lumberg.com 🗗

#### Electrical data (at Tamb 20 °C)

Contact resistance	≤ 5 mΩ
Rated current	4 A (Tamb 60 °C) 2 A (Tamb 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	>1GΩ

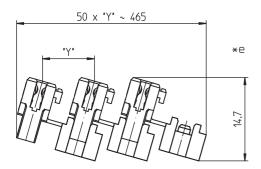






#### Associated products

	IZ∎ HA3…e	🗗 HA35-CA	⊡ <b>*</b> HA35e
	🗗 HA35e-CA	🗗 HA35e-RK	☑ HZ-M35
	<b>⊡</b> HZ35	C HZ35-K	☑ KHP35
	Z VARICON 7000	P VARICON 7000-Eco	CR VARICON 7000-Eco- CR
	Z VARICON 7000-RD		



- \*a terminated connector
- color marking: 3518-4 (M...)S01 blue 3518-4 (M...)S02 green 3518-4 (M...)S03 brown \*b
- K = keying (alternatively) P1, P2 = positioning (alternatively) V = lock \*c
- \*d examples for printed circuit board layouts
- chaining of the component parts (state of delivery) \*e





Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions	
				A (mm)	B (mm)
3518-4 02	2	3600	3600	5.0	9.9
3518-4 03	3	2250	2250	10.0	14.9
3518-4 04	4	1800	3600	15.0	19.9
3518-4 05	5	1350	2700	20.0	24.9

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

Packaging: chained, in a cardboard box