

38 3820

Multimodul™ connectors, pitch 2.5 mm

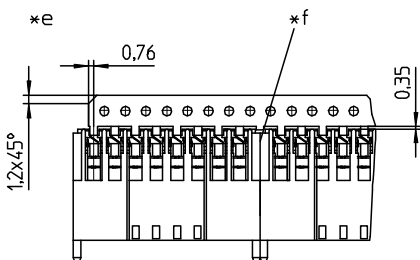
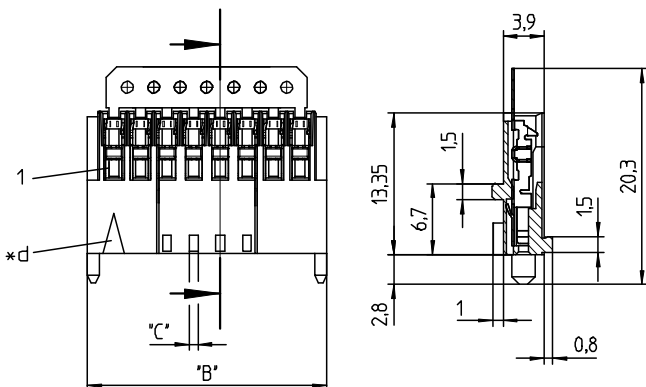
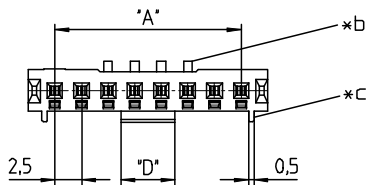
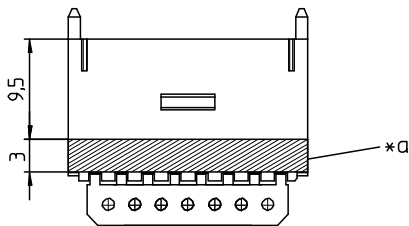


Multimodul™ connector for indirect mating, insulation displacement technology (IDT), with insulator crimp as strain relief

State: Phasing out

Approvals: 

38 3820



- *a color keying strip
- *b keying nose
- *c guide rib
- *d marking contact 1
- *e delivery on holding strap
- *f no contact spring between connectors

Environmental conditions

Temperature range -40 °C/+120 °C

Materials

Insulating body PBT GF, V-0 according to UL94 – 3820 ... 00
PA GF, V-0 according to UL94 – 3820 ... 30¹

Contact spring CuSn, tin-plated

¹ 30: 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

Insertion force/contact ≤ 4,0 N
Withdrawal force/contact ≥ 0,5 N
Further data proposed keyings on request

Connectable conductors for IDT area

Section min. 0,196 mm²
Section max. 0,22 mm²
Insulation diameter 1,5 mm
Approved cables at www.lumberg.com 

Electrical data (at T_{amb} 20 °C)

Rated current 3 A
Rated voltage 63 V AC (Verschmutzungsgrad 3)
200 V AC (Verschmutzungsgrad 2)
Material group IIIa (CTI ≥ 175) – 3820 ... 00
IIIa (CTI ≥ 250) – 3820 ... 30
Creepage distance ≥ 2,0 mm
Clearance ≥ 2,0 mm
Insulation resistance > 1 GΩ

Associated products

Counterparts
 3850  3851  3852
 3853  8385 A 01

Harnessing equipment
 KHP38

38 3820

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions			
				A (mm)	B (mm)	C (mm)	D (mm)
3820 02	2	7500	15000	2.5	7.5	1.3	1.20
3820 03	3	6000	12000	5.0	10.0	1.3	3.15
3820 04	4	4500	9000	7.5	12.5	0.8	5.00
3820 05	5	3750	7500	10.0	15.0	0.8	5.00
3820 06	6	3000	6000	12.5	17.5	0.8	5.00
3820 07	7	3000	6000	15.0	20.0	0.8	5.00
3820 08	8	2250	6750	17.5	22.5	0.8	5.00
3820 09	9	2250	6750	20.0	25.0	0.8	5.00
3820 10	10	2250	6750	22.5	27.5	0.8	5.00
3820 11	11	1500	6000	25.0	30.0	0.8	5.00
3820 12	12	1500	6000	27.5	32.5	0.8	5.00
3820 13	13	1500	6000	30.0	35.0	0.8	5.00
3820 14	14	1500	6000	32.5	37.5	0.8	5.00
3820 15	15	1500	6000	35.0	40.0	0.8	5.00
3820 16	16	750	5250	37.5	42.5	0.8	5.00
3820 17	17	750	5250	40.0	45.0	0.8	5.00
3820 18	18	750	5250	42.5	47.5	0.8	5.00
3820 19	19	750	5250	45.0	50.0	0.8	5.00
3820 20	20	750	5250	47.5	52.5	0.8	5.00

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

Packaging:

on a holding strap, in a foil bag strap, in a cardboard box