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Lumberg
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03 WSV

Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP68

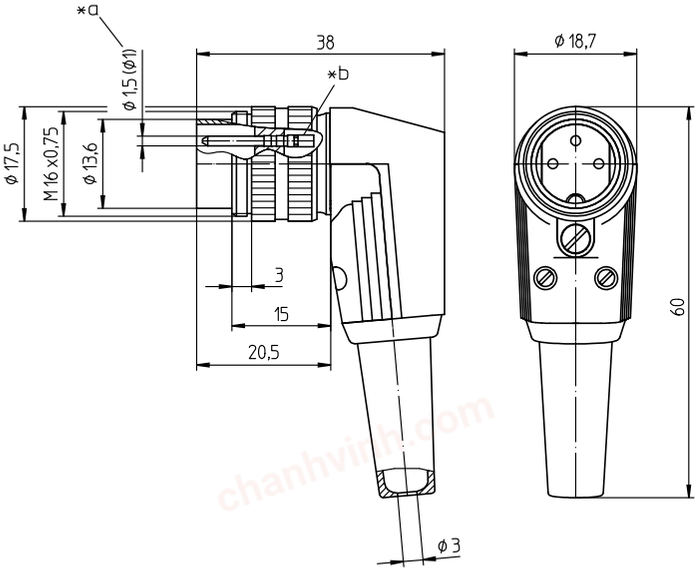


Plug acc. to IEC 61076-2-106, IP40, right angle version, with threaded joint, solder terminals and bend protection, for cable diameter up to 6 mm

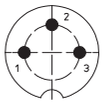
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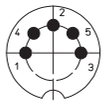
03 WSV

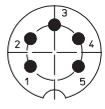


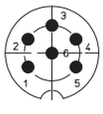
Pin configurations, solder side view

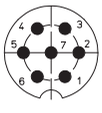

03-a
WSV 30

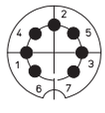

04-a
WSV 40

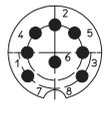

05-b
WSV 50

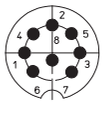

05-a
WSV 50/6

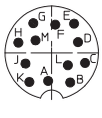

06-a
WSV 60


07-a
WSV 70


07-b
WSV 71


WSV 80


08-a
WSV 81


12-a
WSV 120

*a 12 pole version Ø 1.0 mm
*b cup-shaped solder terminal

Environmental conditions

Temperature range	-40 °C/+85 °C

Materials

Insulating body	PA GF, V-0 according to UL94
Contact pin	CuZn, pre-nickel and silver-plated, passivated (3-8 poles) CuZn, pre-nickel and gold-plated (12 poles)
Shielding contact	CuZn, pre-nickel and tin-plated
Sleeve	steel, zinc-plated
Strain relief	steel, nickel-plated
Housing	PC, HB according to UL94
Knurled screw	CuZn, nickel-plated
Bend protection sleeve	TPE
Screw	special steel/steel, chromatiert

Mechanical data

Tightening torque connector	1–3 Nm
Protection class	IP40 [1]

[1] according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

Connectable conductors for solder area

Section	≤ 0.75 mm² (AWG 20) (3-8 poles) ≤ 0.25 mm² (AWG 24) (12 poles)
Cable diameter	4–6 mm

Electrical data (at T_{amb} 20 °C)

Rated current	5 A (T_{amb} 40 °C, 3-8 poles) 3 A (T_{amb} 40 °C, 12 poles)
Rated voltage	with pollution degree 1: 300 V (versions 30, 40, 50/6, 60, 70) 100 V (versions 50, 71, 80, 81) 160 V (Polbild 120) with pollution degree 2: 250 V (versions 30, 40) 32 V (versions 50, 71, 80, 81) 160 V (versions 50/6, 60, 70, 120)
Rated impulse voltage	1500 V (versions 30, 40, 50/6, 60, 70, 120) 500 V (versions 50, 71, 80, 81)
Material group	II (IEC)/1 (UL) (400 ≤ CTI < 600)
Overvoltage category	I
Insulation resistance	> 100 MΩ

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Associated products

Counterparts

- 030398
- KFR
- KFV
- KFV ... C
- KGR
- KGV
- KGV ... C
- KV
- KV ... C
- KV ...-8
- KV ...-8 C
- WKV
- WKV ... C

Accessories

- 0383
- 038399
- 038899

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
WSV 30	3	50	100
WSV 40	4	50	100
WSV 50	5	50	100
WSV 50/6	5	50	100
WSV 60	6	50	100
WSV 70	7	50	100
WSV 71	7	50	100
WSV 80	8	50	100
WSV 81	8	50	100
WSV 120	12	50	100

Packaging:
unassembled, individually in a plastic bag, in a cardboard box