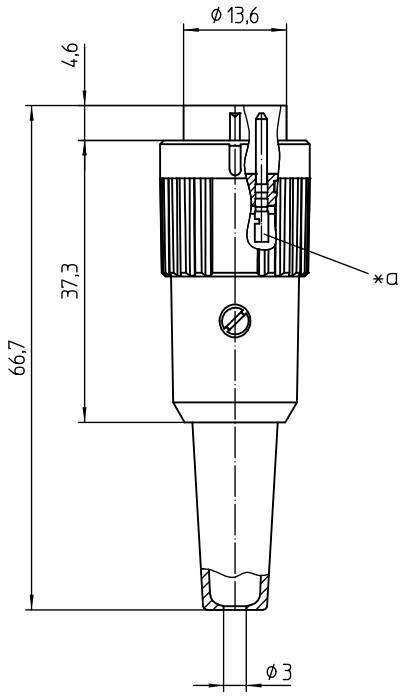
04 0431 ... S

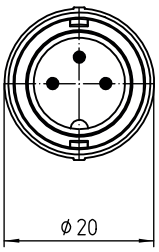
Circular connectors with bayonet locking M16B, IP40



Plug with standard bayonet locking, straight version, with solder contacts and with bend protection, for cable diameter up to 6 mm

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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
Sleeve	PC, HB according to UL94
Strain relief	steel, nickel-plated
Housing	PA GF, V-0 according to UL94
Bayonet nut	PA GF, V-0 according to UL94
Bend protection sleeve	TPE
Screw	steel, nickel-plated

Mechanical data

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)
Cable diameter	4–6 mm

Electrical data (at T_{amb} 20 °C)

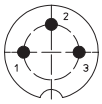
Rated current	5 A (T_{amb} 40 °C)
Rated voltage	with pollution degree 1: 300 V (versions 03, 04, 05-1, 06, 07) 100 V (versions 05, 07-1, 08, 08-1)
Rated impulse voltage	1500 V (versions 03, 04, 05-1, 06, 07) 500 V (versions 05, 07-1, 08, 08-1)
Material group	II (IEC)/1 (UL) (400 ≤ CTI < 600)
Overvoltage category	I
Insulation resistance	> 100 MΩ

Associated products

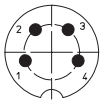
Counterparts

0404 ... S 0421 ... S

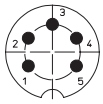
Pin configurations, solder side view



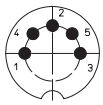
03-a
0431 03 S



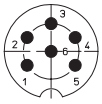
04-a
0431 04 S



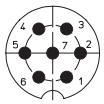
05-a
0431 05-1 S



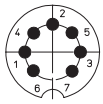
05-b
0431 05 S



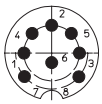
06-a
0431 06 S



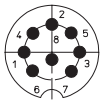
07-a
0431 07 S



07-b
0431 07-1 S



0431 08 S



08-a
0431 08-1 S

*a cup-shaped solder terminal

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0431 03 S	3	50	100
0431 04 S	4	50	100
0431 05 S	5	50	100
0431 05-1 S	5	50	100
0431 06 S	6	50	100
0431 07 S	7	50	100
0431 07-1 S	7	50	100
0431 08 S	8	50	100
0431 08-1 S	8	50	100

Packaging:
preassembled, in a cardboard box