

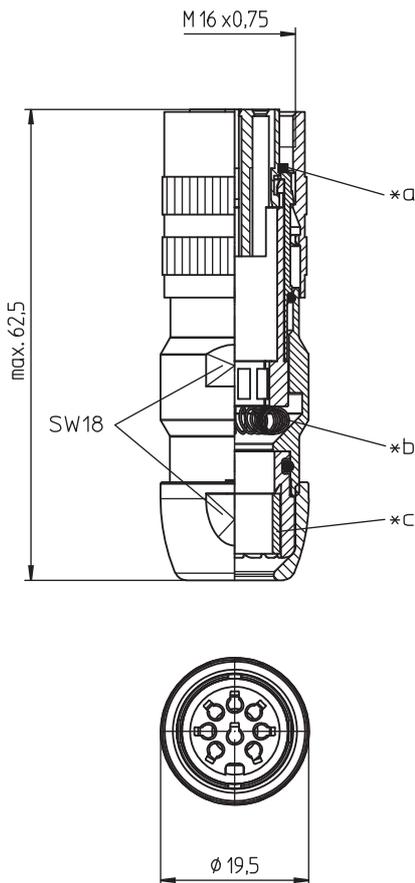
03 036000

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



Next Generation – socket acc. to AISG specification and IEC 61076-2-106, IP68, with threaded joint and vibration protection, empty housing for reception of crimp contacts, 360° shielded, optimized assembly

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Environmental conditions

Temperature range -40 °C/+85 °C

Materials

Insulating body	PA GF, V-0 according to UL94
Schirmfeder	stainless steel
Insulating sleeve	PA, V-0 according to UL94
Clamp	PA, V-0 according to UL94
Housing	CuZn, nickel-plated/Zn diecast, pre-copper and nickel-plated
Knurled nut	CuZn, nickel-plated
Seal	CR/EPDM

Mechanical data

Insertion force/contact	≤ 3,0 N ¹
Withdrawal force/contact	≥ 1,2 N ¹
Tightening torque connector	3 Nm
Tightening torque nut	3 Nm
Protection class	IP68 ²

¹ measured with a proper counterpart

² according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart; IPX8 requirements under agreement between manufacturer and user

Connectable conductors for crimp area

Cable diameter	4–8 mm 8–10 mm optionally
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Electrical data (at T_{amb} 20 °C)

Rated current	5 A (T _{amb} 40 °C)
Rated voltage	100 V (pollution degree 1) 32 V (pollution degree 2)
Rated impulse voltage	500 V
Material group	II (IEC)/I (UL) (400 ≤ CTI < 600)
Overvoltage category	I
Insulation resistance	> 100 MΩ
Further data	see suitable crimp contact

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Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
036000 06-1	6	50	100
036000 08-1	8	50	100

Packaging:

sets of individual parts, partly pre-assembled, in plastic bags, in a cardboard box