

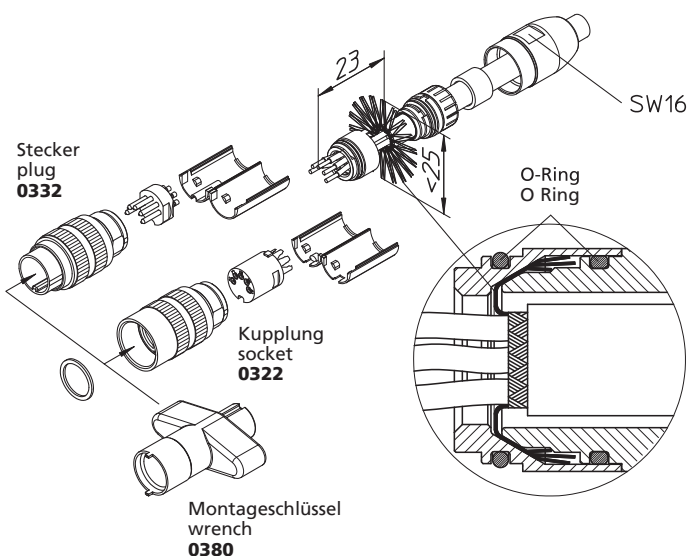
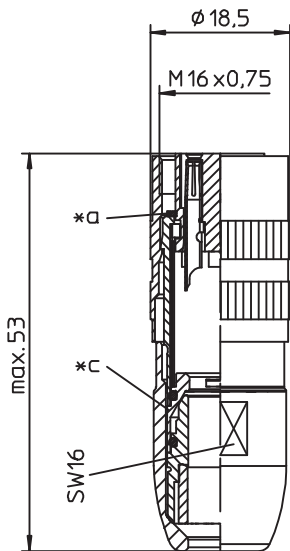
03 0322

Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP67/IP68



Socket acc. to IEC 61076-2-106, IP 68, with threaded joint and solder terminals, 360° shielded

03 0322



Environmental conditions

Temperature range -40 °C/+85 °C

Materials

Insulating body	PA GF, V-0 according to UL94
Contact bush	CuZn, silver-plated and flash gold-plated (3-8 poles) CuZn, pre-nickel and gold-plated (12-14 poles)
Housing	CuZn, nickel-plated
Knurled nut	CuZn, nickel-plated
Seal	NBR

Mechanical data

Insertion force/contact	$\leq 5.0 \text{ N}^1$
Withdrawal force/contact	$\geq 1.2 \text{ N}$ (3-8 poles) $\geq 0.9 \text{ N}$ (12-14 poles) ¹
Protection class	IP68 ²

¹ measured with a polished steel pin, nominal thickness 1.5 mm (1.0 mm with 12-14 poles)

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 solder area

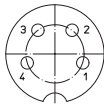
Section	$\leq 0.75 \text{ mm}^2$ (AWG 20) (3-8 poles) $\leq 0.25 \text{ mm}^2$ (AWG 24) (12-14 poles)
Cable diameter	4–8 mm

Electrical data (at $T_{\text{amb}} 20 \text{ °C}$)

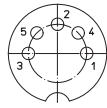
Contact resistance	$\leq 5 \text{ m}\Omega$
Rated current	5 A ($T_{\text{amb}} 40 \text{ °C}$, 3-8 poles) 3 A ($T_{\text{amb}} 40 \text{ °C}$, 12-14 poles)
Rated voltage	250 V (versions 03, 04, 05-1, 06, 07) 60 V (versions 05, 07-1, 08, 08-1, 12, 14)
Rated impulse voltage	2000 V (versions 03, 04, 05-1, 06, 07) 1000 V (versions 05, 07-1, 08, 08-1, 12, 14)
Insulation resistance	$> 100 \text{ M}\Omega$



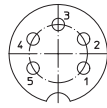
03-a
0322 03



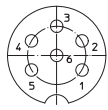
04-a
0322 04



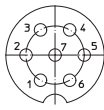
05-b
0322 05



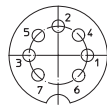
05-a
0322 05-1



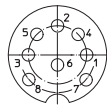
06-a
0322 06



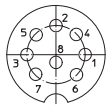
07-a
0322 07



07-b
0322 07-1



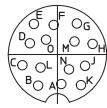
0322 08



08-a
0322 08-1



12-a
0322 12



14-a
0322 14

Associated products

Counterparts

<input type="checkbox"/> 0314	<input type="checkbox"/> 0314-1	<input type="checkbox"/> 0314-2
<input type="checkbox"/> 0315	<input type="checkbox"/> 0315-1	<input type="checkbox"/> 0315-1 U
<input type="checkbox"/> 0315-2	<input type="checkbox"/> 0316	<input type="checkbox"/> 0316-1
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<input type="checkbox"/> 031799-2	<input type="checkbox"/> 0318	<input type="checkbox"/> 0318-1
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<input type="checkbox"/> 0332-1	<input type="checkbox"/> 033200	<input type="checkbox"/> 0365
<input type="checkbox"/> 036500		

Accessories

<input type="checkbox"/> 0322 C 16	<input type="checkbox"/> 0381	<input type="checkbox"/> 038199
<input type="checkbox"/> 038799		

*a flat gasket

*c shielding

03

0322

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0322 03	3	50	100
0322 04	4	50	100
0322 05	5	50	100
0322 05-1	5	50	100
0322 06	6	50	100
0322 07	7	50	100
0322 07-1	7	50	100
0322 08	8	50	100
0322 08-1	8	50	100
0322 12	12	50	100
0322 14	14	50	100

Packaging:

sets of individual parts in plastic bags, in a cardboard box