

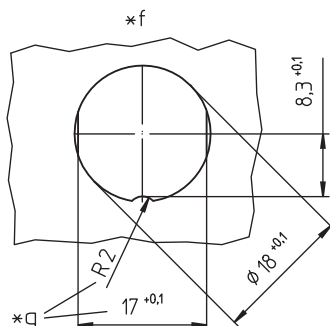
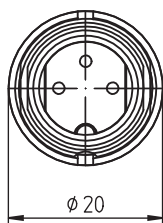
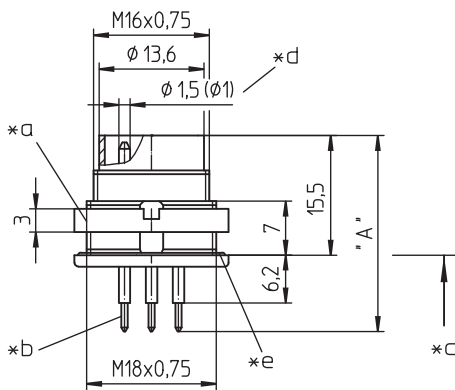
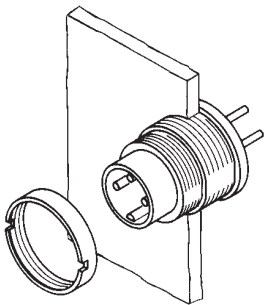
03 0317

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



Chassis plug acc. to IEC 61076-2-106, IP68, with threaded joint, for printed circuit boards, for back side mounting

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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, silver-plated and flash gold-plated, tin-plated in solder area (3-8 poles)  
CuZn, pre-nickel and gold-plated, tin-plated in solder area (12-14 poles)  
Housing Zn diecast, pre-copper and nickel-plated  
Ring screw CuZn, nickel-plated  
Seal NBR

#### Mechanical data

Tightening torque connector 1-3 Nm  
Tightening torque nut 1-3 Nm  
Protection class IP68<sup>1</sup>

<sup>1</sup> according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart; IPX8 requirements under agreement between manufacturer and user

#### Electrical data (at T<sub>amb</sub> 20 °C)

Rated current 5 A (T<sub>amb</sub> 40 °C, 3-8 poles)  
3 A (T<sub>amb</sub> 40 °C, 12-14 poles)  
Rated voltage with pollution degree 1:  
300 V (versions 03, 04, 05-1, 06, 07)  
100 V (versions 05, 07-1, 08, 08-1)  
160 V (versions 12, 14)  
with pollution degree 2:  
250 V (versions 03, 04)  
32 V (versions 05, 07-1, 08, 08-1)  
160 V (versions 05-1, 06, 07, 12, 14)  
Rated impulse voltage 1500 V (versions 03, 04, 05-1, 06, 07, 12, 14)  
500 V (versions 05, 07-1, 08, 08-1)  
Material group II (IEC)/I (UL) (400 ≤ CTI < 600)  
Overvoltage category I  
Insulation resistance > 100 MΩ

#### Associated products

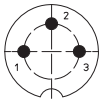
Counterparts  
☞ 0321 ☞ 0322 ☞ 0322-1  
☞ 032200 ☞ 0360 ☞ 036000  
Accessories  
☞ 0383 ☞ 038399 ☞ 0384

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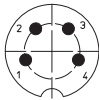
## Pin configurations, solder side view

0385

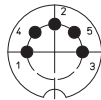
038899



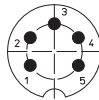
03-a  
0317 03



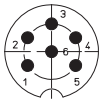
04-a  
0317 04



05-b  
0317 05



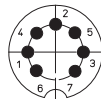
05-a  
0317 05-1



06-a  
0317 06



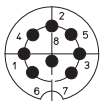
07-a  
0317 07



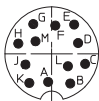
07-b  
0317 07-1



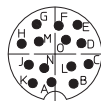
0317 08



08-a  
0317 08-1



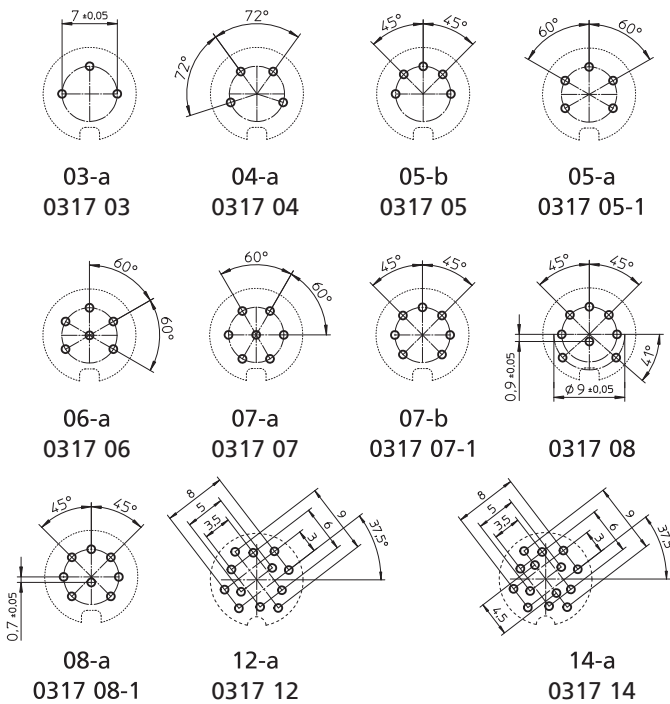
12-a  
0317 12



14-a  
0317 14

# 03 0317

## Printed circuit board layout, solder side view



- \*a nut enclosed separately
- \*b for bore hole of PCB  
 $\phi 1,0$  mm (0317 03–0317 08-1)  
 $\phi 0,7$  mm (0317 12–0317 14)
- \*c mounting direction
- \*d contact pin  
 $\phi 1.5$  mm (0317 03–0317 08-1)  
 $\phi 1.0$  mm (0317 12–0317 14)
- \*e O-ring gasket
- \*f port in mounting plate
- \*g anti-rotation, alternative execution

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| Designation | Pole Number | PU (Pieces) | MDQ (Pieces) | Dimensions<br>A (mm) |
|-------------|-------------|-------------|--------------|----------------------|
| 0317 03     | 3           | 50          | 100          | 25.4                 |
| 0317 04     | 4           | 50          | 100          | 25.4                 |
| 0317 05     | 5           | 50          | 100          | 25.4                 |
| 0317 05-1   | 5           | 50          | 100          | 25.4                 |
| 0317 06     | 6           | 50          | 100          | 25.4                 |
| 0317 07     | 7           | 50          | 100          | 25.4                 |
| 0317 07-1   | 7           | 50          | 100          | 25.4                 |
| 0317 08     | 8           | 50          | 100          | 25.4                 |
| 0317 08-1   | 8           | 50          | 100          | 25.4                 |
| 0317 12     | 12          | 50          | 100          | 24.8                 |
| 0317 14     | 14          | 50          | 100          | 24.8                 |

**Packaging:**  
in a cardboard box