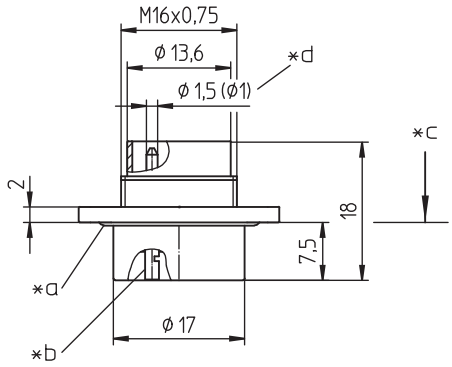
03 0318

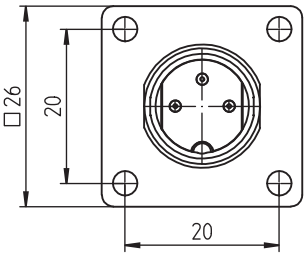
Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP67/IP68

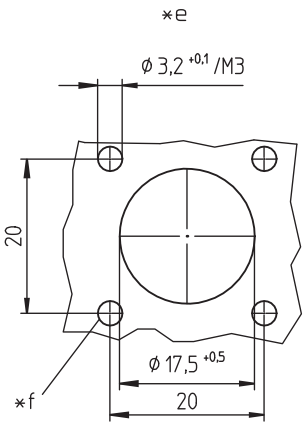


Flange chassis plug acc. to IEC 61076-2-106, IP 68, with threaded joint and solder terminals, for front mounting

03 0318







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
Seal	EPDM

Mechanical data

Protection class	IP68 [1]

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

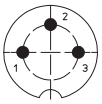
Connectable conductors for solder area

Section	≤ 0.75 mm² (AWG 20) (3-8 poles) ≤ 0.25 mm² (AWG 24) (12-14 poles)

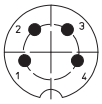
Electrical data (at T_{amb} 20 °C)

Rated current	5 A (T_{amb} 40 °C, 3-8 poles) 3 A (T_{amb} 40 °C, 12-14 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)/1 (UL) (CTI ≥ 550)
Overvoltage category	I
Insulation resistance	> 100 MΩ

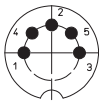
03 0318



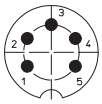
03-a
0318 03



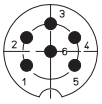
04-a
0318 04



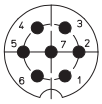
05-b
0318 05



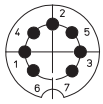
05-a
0318 05-1



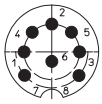
06-a
0318 06



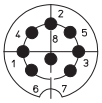
07-a
0318 07



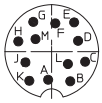
07-b
0318 07-1



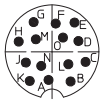
0318 08



08-a
0318 08-1



12-a
0318 12



14-a
0318 14

*a O-ring gasket
*b cup-shaped solder terminal
*c mounting direction
*d contact pin
Ø 1.5 mm (0318 03–0318 08-1)
Ø 1.0 mm (0318 12–0318 14)
*e port in mounting plate
*f provide for suitable sealing of screws

Associated products

Counterparts
- 0321
- 0322
- 0322-1
- 032200
- 0360
- 036000

Accessories
- 0308 C 02
- 0383
- 038399
- 038899

03 0318

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)
0318 03	3	50	100
0318 04	4	50	100
0318 05	5	50	100
0318 05-1	5	50	100
0318 06	6	50	100
0318 07	7	50	100
0318 07-1	7	50	100
0318 08	8	50	100
0318 08-1	8	50	100
0318 12	12	50	100
0318 14	14	50	100

Packaging:
in a cardboard box