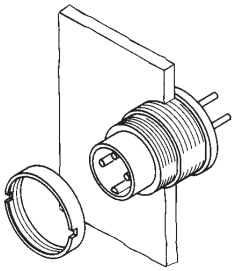
03 SGR

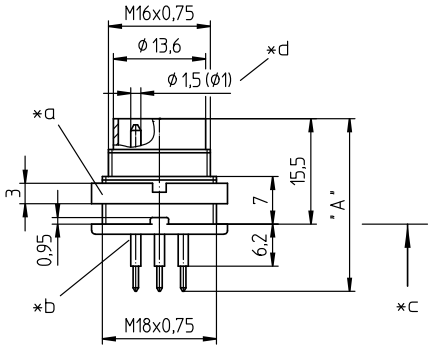
Circular connectors with threaded joint M16 acc. to IEC 61076-2-106, IP40/IP67/IP68

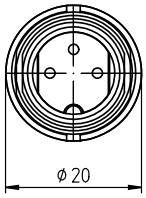


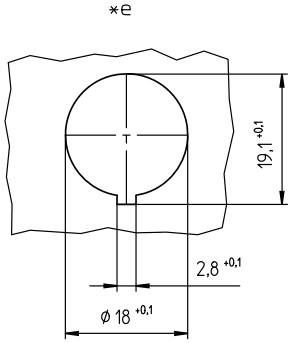
Chassis plug acc. to IEC 61076-2-106, IP 40, with threaded joint, for printed circuit boards, for back side mounting

03 SGR









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 poles)
Housing	Zn diecast, pre-copper and nickel-plated
Ring screw	CuZn, nickel-plated

Mechanical data

Protection class	IP40 [1]

[1] according to IEC DIN EN 60529, only in locked condition with an appropriate counterpart

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 poles)
Rated voltage	with pollution degree 1: 300 V (versions 30, 40, 50/6, 60, 70) 100 V (versions 50, 71, 80, 81) 160 V (Polbild 120) with pollution degree 2: 250 V (versions 30, 40) 32 V (versions 50, 71, 80, 81) 160 V (versions 50/6, 60, 70, 120)
Rated impulse voltage	1500 V (versions 30, 40, 50/6, 60, 70, 120) 500 V (versions 50, 71, 80, 81)
Material group	II (IEC)/1 (UL) (CTI ≥ 550)
Overvoltage category	I
Insulation resistance	> 100 MΩ

Associated products

Counterparts

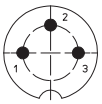
KV | KV ...-8 | WKV

Accessories

0383 | 038399 | 0384

038899

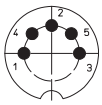
03 SGR



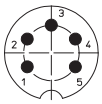
03-a
SGR 30



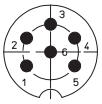
04-a
SGR 40



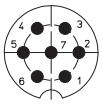
05-b
SGR 50



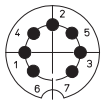
05-a
SGR 50/6



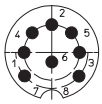
06-a
SGR 60



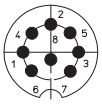
07-a
SGR 70



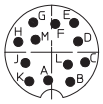
07-b
SGR 71



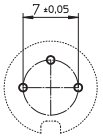
SGR 80



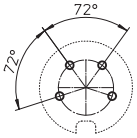
08-a
SGR 81



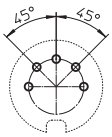
12-a
SGR 120



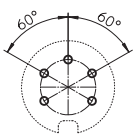
03-a
SGR 30



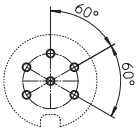
04-a
SGR 40



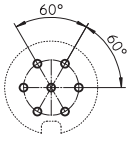
05-b
SGR 50



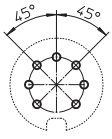
05-a
SGR 50/6



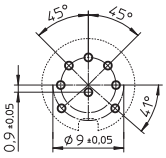
06-a
SGR 60



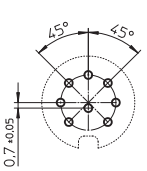
07-a
SGR 70



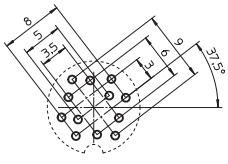
07-b
SGR 71



SGR 80



08-a
SGR 81



12-a
SGR 120

03 SGR

*a nut enclosed separately

*b for bore hole of printed circuit board
Ø 1.0 mm (SGR 30–81)
Ø 0.7 mm (SGR 120)

*c mounting direction

*d 12 pole version Ø 1.0 mm

*e port in mounting plate

03 SGR

Designation	Pole Number	PU (Pieces)	MDQ (Pieces)	Dimensions A (mm)
SGR 30	3	50	100	25.4
SGR 40	4	50	100	25.4
SGR 50	5	50	100	25.4
SGR 50/6	5	50	100	25.4
SGR 60	6	50	100	25.4
SGR 70	7	50	100	25.4
SGR 71	7	50	100	25.4
SGR 80	8	50	100	25.4
SGR 81	8	50	100	25.4
SGR 120	12	50	100	24.8

Packaging:
in a cardboard box