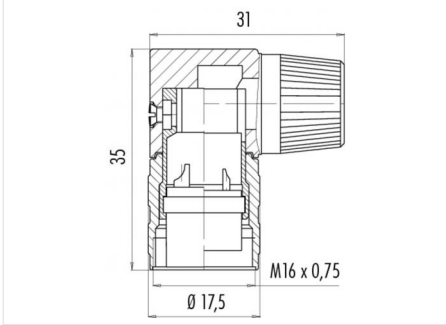


Product description	<b>Contacts: 19, female angled connector, cable outlet 6 - 8 mm, plastic model, gold plated contacts</b>
Area	<b>M16 IP40 Series 682</b>
Order number	<b>09 0164 72 19</b>

**Illustration**



**Scale drawing**



**Contact arrangement**

	X	Y
A	2,50	-4,00
B	4,00	-2,25
C	4,25	0,00
D	4,00	2,40
E	2,30	4,00
F	0,00	4,25
G	-2,30	4,00
H	-4,00	2,40
I	-4,25	0,00
K	-4,00	-2,25
L	-2,50	-4,00
M	0,95	-2,40
N	2,40	-0,95
O	2,40	0,95
P	0,95	2,40
R	-0,95	2,40
S	-2,40	0,95
T	-2,40	-0,95
U	-0,95	-2,40

**You can find the component part drawing on the next page.**

**Technical data**

**General values**

Connector design	female angled connector
Connector locking system	bolted
Termination	solder
Wire gauge (mm)	0,25 mm <sup>2</sup>
Wire gauge (AWG)	24
Cable outlet	6,0 - 8,0 mm
Upper limit temperature	85 °C
Lower limit temperature	-40 °C

**Electrical values**

Rated current (40 °C)	3 A
Rated voltage	60 V
Rated impulse voltage	500 V
Pollution degree	1
Overvoltage category	I
Insulating material group	III
Volume resistivity	≤ 3 mΩ
Insulation resistance	≥ 10 <sup>10</sup> Ω
EMC compliance	Shielding is not possible
Degree of protection	IP40
Mechanical operation	> 500 Mating cycles

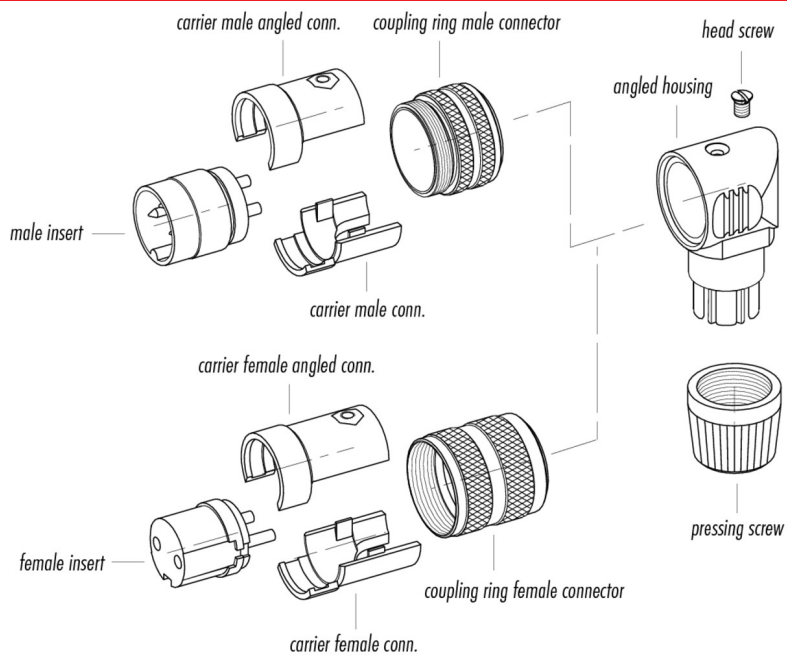
**Material**

Contact material	CuSn (bronze)
Contact plating	Au (gold)
Contact body material	PBT (UL 94 V-0)
Housing material	PA

Product description **Contacts: 19, female angled connector, cable outlet 6 - 8 mm, plastic model, gold plated contacts**

Area **M16 IP40 Series 682**  
Order number **09 0164 72 19**

### Component part drawing



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## Security notices

The connectors are designed for use in plant, control system and electrical equipment. The end user is responsible for checking whether the connectors are suitable for use in other applications.

To lock the cable connector to the equipment connector, the threaded ring is tightened until it is 'finger-tight' (approx. 50 cNm).