

## Miniatursteckverbinder Serie 682

### Miniature connectors series 682

Bezeichnung  
Description

Winkelstecker,  
Kabeldurchlass 4-6 mm, Kunststoffausführung  
Male angled connector,  
cable outlet 4-6 mm, plastic version

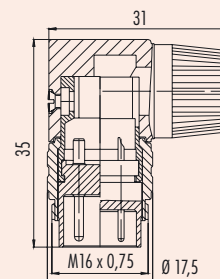
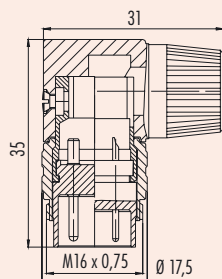
Abbildung  
Figure



Winkelstecker,  
Kabeldurchlass 6-8 mm, Kunststoffausführung  
Male angled connector,  
cable outlet 6-8 mm, plastic version



Maßzeichnung  
Drawing



Bestell-Nr.  
Ordering-No.

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	09-0133-70-02	09-0133-79-02
3 DIN	09-0135-70-03	09-0135-79-03
4	09-0137-70-04	09-0137-79-04
5	09-0139-70-05	09-0139-79-05
5 (Stereo)	09-0141-70-05	09-0141-79-05
6 DIN	09-0143-70-06	09-0143-79-06
7	09-0145-70-07	09-0145-79-07
7 DIN	09-0177-70-07	-
8 DIN	09-0153-70-08	09-0153-79-08
12	-	09-0147-70-12
14	-	09-0161-70-14
16	-	09-0185-70-16
19	-	09-0163-70-19
24	-	-

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	09-0133-72-02	09-0133-78-02
3 DIN	09-0135-72-03	09-0135-78-03
4	09-0137-72-04	09-0137-78-04
5	09-0139-72-05	09-0139-78-05
5 (Stereo)	09-0141-72-05	09-0141-78-05
6 DIN	09-0143-72-06	09-0143-78-06
7	09-0145-72-07	09-0145-78-07
7 DIN	-	-
8 DIN	09-0153-72-08	09-0153-78-08
12	-	09-0147-72-12
14	-	09-0161-72-14
16	-	09-0185-72-16
19	-	09-0163-72-19
24	-	09-0165-72-24

Technische Daten  
Specifications

	2	3 DIN	4	5	5 (Stereo)	6 DIN	7	7 DIN	8 DIN	12	14	19	24		
Polzahl	2	3 DIN	4	5	5 (Stereo)	6 DIN	7	7 DIN	8 DIN	12	14	19	24	Number of contacts	
Steckverbinder Verriegelung	schraub/screw													Connector locking system	
Anschlussart	löten/solder													Termination	
Anschlussquerschnitt	max. 0,75 mm <sup>2</sup> (max. AWG 20)									max. 0,25 mm <sup>2</sup> (max. AWG 24)		0,14 mm <sup>2</sup> (26)		Wire gauge	
Kabeldurchlass	3-6 mm/6-8 mm													Cable outlet	
Schutzart	IP40													Degree of protection	
Mechanische Lebensdauer	> 500 Steckzyklen/> 500 mating cycles													Mechanical operation	
Obere Grenztemperatur	+ 85 °C													Upper temperature	
Untere Grenztemperatur	- 40 °C													Lower temperature	
Bemessungsspannung	250 V (32 V)			60V (32V)		250V (32V)		125V (32V)		60 V (32 V)				Rated voltage	
Bemessungsstoßspannung	1500 V			500 V		1500 V		800 V		500 V				Rated impulse voltage	
Verschmutzungsgrad	1 (2) <sup>1)</sup>													Pollution degree	
Überspannungskategorie	I (II) <sup>1)</sup>													Overvoltage category	
Isolierstoffgruppe	III													Material group	
Bemessungsstrom (40°C)	7 A			6 A			5 A			3 A		1 A		Rated current (40 °C)	
Durchgangswiderstand	≤ 5 mΩ													≤ 3 mΩ	Contact resistance
Material Kontakt	CuZn (Messing/brass)													Material of contact	
Kontaktoberfläche	Ag (Silber/silver)						Au (Gold/gold)						Contact plating		
Material Kontaktkörper	PBT (UL 94 V-0)													Material of contact body	
Material Gehäuse	PA (UL 94 HB)													Material of housing	

## Miniatursteckverbinder Serie 682

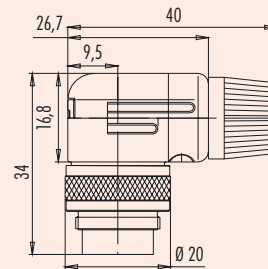
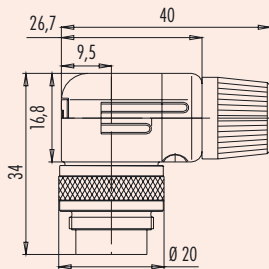
### Miniature connectors series 682

**Bezeichnung**  
*Description*
**Abbildung**  
*Figure*

Winkelstecker,  
Kabeldurchlass 4-6 mm, Metallausführung  
Male angled connector,  
cable outlet 4-6 mm, metal version



Winkelstecker,  
Kabeldurchlass 6-8 mm, Metallausführung  
Male angled connector,  
cable outlet 6-8 mm, metal version


**Maßzeichnung**  
*Drawing*

**Bestell-Nr.**  
*Ordering-No.*

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	99-0133-10-02	-
3 DIN	99-0135-10-03	-
4	99-0137-10-04	-
5	99-0139-10-05	-
5 (Stereo)	99-0141-10-05	-
6 DIN	99-0143-10-06	-
7	99-0145-10-07	-
7 DIN	99-0177-10-07	-
8 DIN	99-0153-10-08	-
12	-	99-0147-10-12
14	-	99-0161-10-14
16	-	-
19	-	99-0163-10-19
24	-	-

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	99-0133-12-02	-
3 DIN	99-0135-12-03	-
4	99-0137-12-04	-
5	99-0139-12-05	-
5 (Stereo)	99-0141-12-05	-
6 DIN	99-0143-12-06	-
7	99-0145-12-07	-
7 DIN	-	-
8 DIN	99-0153-12-08	-
12	-	99-0147-12-12
14	-	99-0161-12-14
16	-	-
19	-	99-0163-12-19
24	-	99-0165-12-24

**Technische Daten**  
*Specifications*

Polzahl	2	3 DIN	4	5	5 (Stereo)	6 DIN	7	7 DIN	8 DIN	12	14	19	24	Number of contacts
Steckverbinder Verriegelung	schraub/screw													Connector locking system
Anschlussart	löten/solder													Termination
Anschlussquerschnitt	max. 0,75 mm <sup>2</sup> (max. AWG 20)									max. 0,25 mm <sup>2</sup> (max. AWG 24)		0,14 mm <sup>2</sup> (26)		Wire gauge
Kabeldurchlass	3-6 mm/6-8 mm													Cable outlet
Schutzart	IP40													Degree of protection
Mechanische Lebensdauer	> 500 Steckzyklen/> 500 mating cycles													Mechanical operation
Obere Grenztemperatur	+ 85 °C													Upper temperature
Untere Grenztemperatur	- 40 °C													Lower temperature
Bemessungsspannung	250 V (32 V)			60V (32V)		250V (32V)		125V (32V)		60 V (32 V)				Rated voltage
Bemessungsstoßspannung	1500 V			500 V		1500 V		800 V		500 V				Rated impulse voltage
Verschmutzungsgrad	1 (2) <sup>1)</sup>													Pollution degree
Überspannungskategorie	I (II) <sup>1)</sup>													Overvoltage category
Isolierstoffgruppe	III													Material group
Bemessungsstrom (40°C)	7 A		6 A			5 A				3 A		1 A		Rated current (40 °C)
Durchgangswiderstand	≤ 5 mΩ													Contact resistance
Material Kontakt	CuZn (Messing/brass)													Material of contact
Kontaktoberfläche	Ag (Silber/silver)						Au (Gold/gold)						Contact plating	
Material Kontaktkörper	PBT (UL 94 V-0)													Material of contact body
Material Gehäuse	PA (UL 94 HB)													Material of housing

<sup>1)</sup> Bei Verschm.grad 2, Übersp.kat. II reduzierte Bemessungsspannung 32 V./ <sup>1)</sup> In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

## Miniarsteckverbinder Serie 682

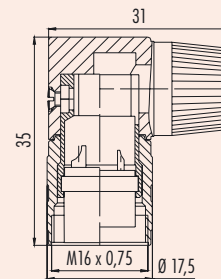
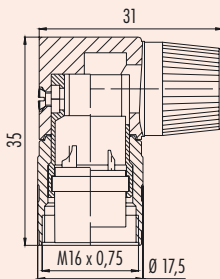
### Miniature connectors series 682

**Bezeichnung**  
*Description*

Winkeldose,  
 Kabeldurchlass 4-6 mm, Kunststoffausführung  
*Female angled connector,  
 cable outlet 4-6 mm, plastic version*

**Abbildung**  
*Figure*


Winkeldose,  
 Kabeldurchlass 6-8 mm, Kunststoffausführung  
*Female angled connector,  
 cable outlet 6-8 mm, plastic version*


**Maßzeichnung**  
*Drawing*

**Bestell-Nr.**  
*Ordering-No.*

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	09-0134-70-02	09-0134-79-02
3 DIN	09-0136-70-03	09-0136-79-03
4	09-0138-70-04	09-0138-79-04
5	09-0140-70-05	09-0140-79-05
5 (Stereo)	09-0142-70-05	09-0142-79-05
6 DIN	09-0144-70-06	09-0144-79-06
7	09-0146-70-07	09-0146-79-07
7 DIN	09-0178-70-07	-
8 DIN	09-0154-70-08	09-0154-79-08
12	-	09-0148-70-12
14	-	09-0162-70-14
16	-	09-0186-70-16
19	-	09-0164-70-19
24	-	-

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	09-0134-72-02	09-0134-78-02
3 DIN	09-0136-72-03	09-0136-78-03
4	09-0138-72-04	09-0138-78-04
5	09-0140-72-05	09-0140-78-05
5 (Stereo)	09-0142-72-05	09-0142-78-05
6 DIN	09-0144-72-06	09-0144-78-06
7	09-0146-72-07	09-0146-78-07
7 DIN	-	-
8 DIN	09-0154-72-08	09-0154-78-08
12	-	09-0148-72-12
14	-	09-0162-72-14
16	-	09-0186-72-16
19	-	09-0164-72-19
24	-	09-0166-72-24

**Technische Daten**  
*Specifications*

Polzahl	2	3 DIN	4	5	5 (Stereo)	6 DIN	7	7 DIN	8 DIN	12	14	19	24	Number of contacts	
Steckverbinder Verriegelung	schraub/screw													Connector locking system	
Anschlussart	löten/solder													Termination	
Anschlussquerschnitt	max. 0,75 mm <sup>2</sup> (max. AWG 20)						max. 0,25 mm <sup>2</sup> (max. AWG 24)			0,14 mm <sup>2</sup> (26)				Wire gauge	
Kabeldurchlass	3-6 mm/6-8 mm													Cable outlet	
Schutzart	IP40													Degree of protection	
Mechanische Lebensdauer	> 500 Steckzyklen/> 500 mating cycles													Mechanical operation	
Obere Grenztemperatur	+ 85 °C													Upper temperature	
Untere Grenztemperatur	- 40 °C													Lower temperature	
Bemessungsspannung	250 V (32 V)			60V (32V)		250V (32V)		125V (32V)		60 V (32 V)				Rated voltage	
Bemessungsstoßspannung	1500 V			500 V		1500 V		800 V		500 V				Rated impulse voltage	
Verschmutzungsgrad	1 (2) <sup>1)</sup>													Pollution degree	
Überspannungskategorie	I (II) <sup>1)</sup>													Overvoltage category	
Isolierstoffgruppe	III													Material group	
Bemessungsstrom (40°C)	7 A			6 A			5 A			3 A			1 A		Rated current (40 °C)
Durchgangswiderstand	≤ 5 mΩ													≤ 3 mΩ	Contact resistance
Material Kontakt	CuSn (Bronze/bronze)													Material of contact	
Kontaktoberfläche	Ag (Silber/silver)						Au (Gold/gold)						Contact plating		
Material Kontaktkörper	PBT (UL 94 V-0)													Material of contact body	
Material Gehäuse	PA (UL 94 HB)													Material of housing	

## Miniatursteckverbinder Serie 682

### Miniature connectors series 682

Bezeichnung  
Description

Abbildung  
Figure

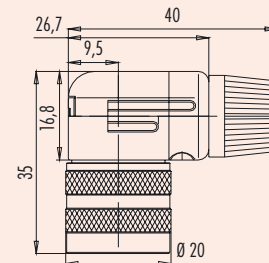
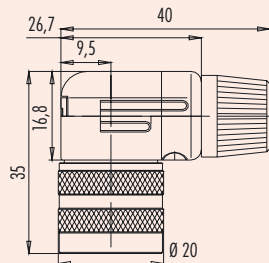
Winkeldose,  
Kabeldurchlass 4-6 mm, Metallausführung  
Female angled connector,  
cable outlet 4-6 mm, metal version



Winkeldose,  
Kabeldurchlass 6-8 mm, Metallausführung  
Female angled connector,  
cable outlet 6-8 mm, metal version



Maßzeichnung  
Drawing



Bestell-Nr.  
Ordering-No.

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	99-0134-10-02	-
3 DIN	99-0136-10-03	-
4	99-0138-10-04	-
5	99-0140-10-05	-
5 (Stereo)	99-0142-10-05	-
6 DIN	99-0144-10-06	-
7	99-0146-10-07	-
7 DIN	99-0178-10-07	-
8 DIN	99-0154-10-08	-
12	-	99-0148-10-12
14	-	99-0162-10-14
16	-	-
19	-	99-0164-10-19
24	-	-

Polzahl Contacts	versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
2	99-0134-12-02	-
3 DIN	99-0136-12-03	-
4	99-0138-12-04	-
5	99-0140-12-05	-
5 (Stereo)	99-0142-12-05	-
6 DIN	99-0144-12-06	-
7	99-0146-12-07	-
7 DIN	-	-
8 DIN	99-0154-12-08	-
12	-	99-0148-12-12
14	-	99-0162-12-14
16	-	-
19	-	99-0164-12-19
24	-	99-0166-12-24

Technische Daten  
Specifications

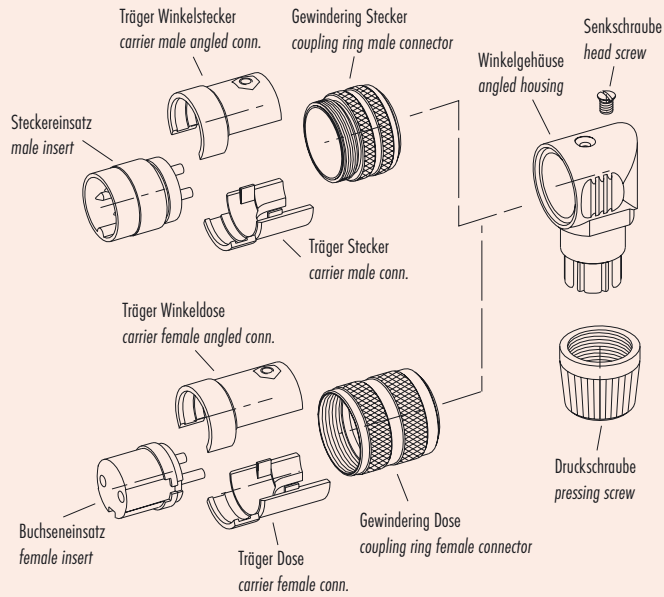
	2	3 DIN	4	5	5 (Stereo)	6 DIN	7	7 DIN	8 DIN	12	14	19	24	
Polzahl	2	3 DIN	4	5	5 (Stereo)	6 DIN	7	7 DIN	8 DIN	12	14	19	24	Number of contacts
Steckverbinder Verriegelung	schraub/screw													Connector locking system
Anschlussart	löten/solder													Termination
Anschlussquerschnitt	max. 0,75 mm <sup>2</sup> (max. AWG 20)									max. 0,25 mm <sup>2</sup> (max. AWG 24)		0,14 mm <sup>2</sup> (26)		Wire gauge
Kabeldurchlass	3-6 mm/6-8 mm													Cable outlet
Schutzart	IP40													Degree of protection
Mechanische Lebensdauer	> 500 Steckzyklen/> 500 mating cycles													Mechanical operation
Obere Grenztemperatur	+ 85 °C													Upper temperature
Untere Grenztemperatur	- 40 °C													Lower temperature
Bemessungsspannung	250 V (32 V)			60V (32V)		250V (32V)		125V (32V)		60 V (32 V)				Rated voltage
Bemessungsstoßspannung	1500 V			500 V		1500 V		800 V		500 V				Rated impulse voltage
Verschmutzungsgrad	1 (2) <sup>1)</sup>													Pollution degree
Überspannungskategorie	I (II) <sup>1)</sup>													Overvoltage category
Isolierstoffgruppe	III													Material group
Bemessungsstrom (40°C)	7 A		6 A			5 A				3 A		1 A		Rated current (40 °C)
Durchgangswiderstand	≤ 5 mΩ													Contact resistance
Material Kontakt	CuSn (Bronze/bronze)													Material of contact
Kontaktoberfläche	Ag (Silber/silver)						Au (Gold/gold)						Contact plating	
Material Kontaktkörper	PBT (UL 94 V-0)													Material of contact body
Material Gehäuse	PA (UL 94 HB)													Material of housing

<sup>1)</sup> Bei Verschm.grad 2, Übersp.kat. II reduzierte Bemessungsspannung 32 V./ <sup>1)</sup> In case of pollution degree 2, overvoltage category II rated voltage is reduced to 32 V.

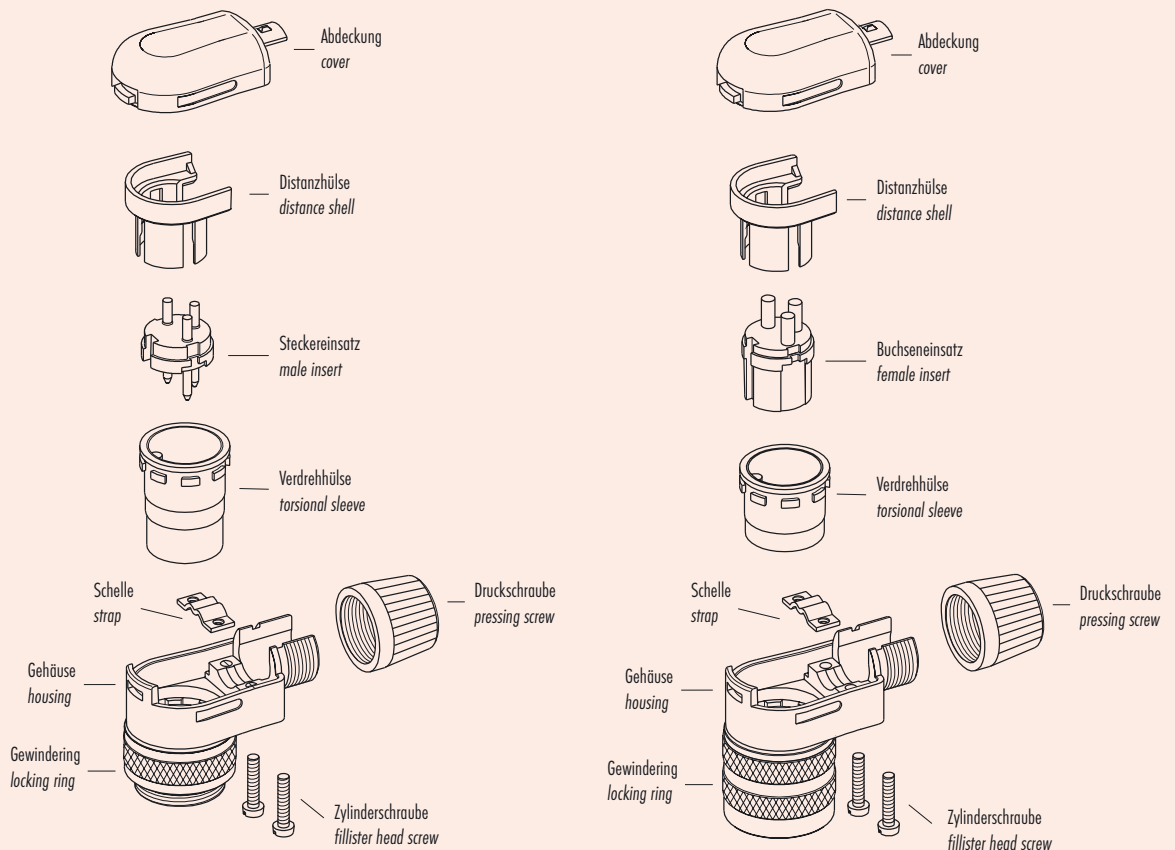
**Miniatursteckverbinder Serie 682**  
**Miniature connectors series 682**

Einzelteildarstellung  
 Component part drawing

**Winkelstecker Kunststoffausführung**  
 Angled connector plastic version



**Winkelstecker Metallausfuhrung**  
 Angled connector metal version

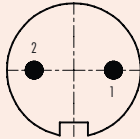


**Miniatursteckverbinder Serie 581 · 680 · 682**
**Miniature connectors series 581 · 680 · 682**

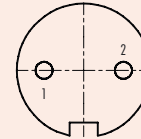
 Polbilder  
 Contact arrangements

 Stifteinsatz (Steckseite)  
 Male insert (mating side)

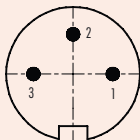
 Buchseneinsatz (Steckseite)  
 Female insert (mating side)

 2 pol  
 2 contacts


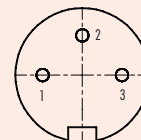
	X	Y
1	3,50	0,00
2	-3,50	0,00



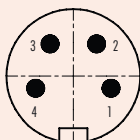
	X	Y
1	-3,50	0,00
2	3,50	0,00

 3 pol (DIN 41524)  
 3 contacts (DIN 41524)


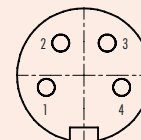
	X	Y
1	3,50	0,00
2	0,00	3,50
3	-3,50	0,00



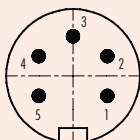
	X	Y
1	-3,50	0,00
2	0,00	3,50
3	3,50	0,00

 4 pol  
 4 contacts


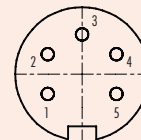
	X	Y
1	3,32	-1,08
2	2,05	2,83
3	-2,05	2,83
4	-3,32	-1,08



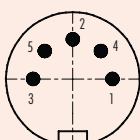
	X	Y
1	-3,32	-1,08
2	-2,05	2,83
3	2,05	2,83
4	3,32	-1,08

 5 pol  
 5 contacts


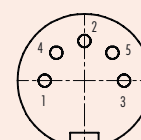
	X	Y
1	3,03	-1,75
2	3,03	1,75
3	0,00	3,50
4	-3,03	1,75
5	-3,03	-1,75



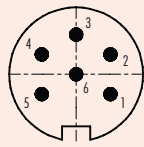
	X	Y
1	-3,03	-1,75
2	-3,03	1,75
3	0,00	3,50
4	3,03	1,75
5	3,03	-1,75

 5 pol Stereo (DIN 41524)  
 5 contacts stereo (DIN 41524)


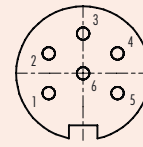
	X	Y
1	3,50	0,00
2	0,00	3,50
3	-3,50	0,00
4	2,47	2,47
5	-2,47	2,47



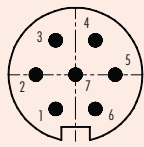
	X	Y
1	-3,50	0,00
2	0,00	3,50
3	3,50	0,00
4	-2,47	2,47
5	2,47	2,47

**Miniatursteckverbinder Serie 581 · 680 · 682**
**Miniature connectors series 581 · 680 · 682**
**Polbilder**  
*Contact arrangements*
**Stifteinsatz (Steckseite)**  
*Male insert (mating side)*
**Buchseinsatz (Steckseite)**  
*Female insert (mating side)*
**6 pol (DIN 45322)**  
*6 contacts (DIN 45322)*


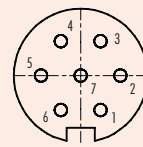
	X	Y
1	3,03	-1,75
2	3,03	1,75
3	0,00	3,50
4	-3,03	1,75
5	-3,03	-1,75
6	0,00	0,00



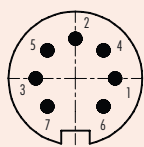
	X	Y
1	-3,03	-1,75
2	-3,03	1,75
3	0,00	3,50
4	3,03	1,75
5	3,03	-1,75
6	0,00	0,00

**7 pol**  
*7 contacts*


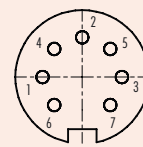
	X	Y
1	-1,75	-3,03
2	-3,50	0,00
3	-1,75	3,03
4	1,75	3,03
5	3,50	0,00
6	1,75	-3,03
7	0,00	0,00



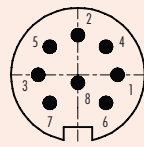
	X	Y
1	1,75	-3,03
2	3,50	0,00
3	1,75	3,03
4	-1,75	3,03
5	-3,50	0,00
6	-1,75	-3,03
7	0,00	0,00

**7 pol (DIN 45329)**  
*7 contacts (DIN 45329)*


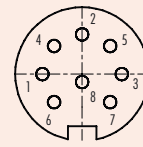
	X	Y
1	3,50	0,00
2	0,00	3,50
3	-3,50	0,00
4	2,47	2,47
5	-2,47	2,47
6	2,47	-2,47
7	-2,47	-2,47



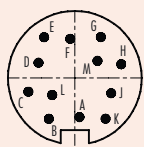
	X	Y
1	-3,50	0,00
2	0,00	3,50
3	3,50	0,00
4	-2,47	2,47
5	2,47	2,47
6	-2,47	-2,47
7	2,47	-2,47

**8 pol (DIN 45326)**  
*8 contacts (DIN 45326)*


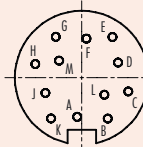
	X	Y
1	3,50	0,00
2	0,00	3,50
3	-3,50	0,00
4	2,47	2,47
5	-2,47	2,47
6	2,47	-2,47
7	-2,47	-2,47
8	0,00	-0,70



	X	Y
1	-3,50	0,00
2	0,00	3,50
3	3,50	0,00
4	-2,47	2,47
5	2,47	2,47
6	-2,47	-2,47
7	2,47	-2,47
8	0,00	-0,70

**12 pol**  
*12 contacts*


	X	Y
A	0,41	-3,45
B	-2,29	-3,61
C	-4,10	-1,21
D	-3,20	1,34
E	-2,71	3,59
F	-0,41	3,45
G	2,29	3,61
H	4,10	1,21
J	3,20	-1,34
K	2,71	-3,59
L	-2,00	-1,51
M	2,00	1,51



	X	Y
A	-0,41	-3,45
B	2,29	-3,61
C	4,10	-1,21
D	3,20	1,34
E	2,71	3,59
F	0,41	3,45
G	-2,29	3,61
H	-4,10	1,21
J	-3,20	-1,34
K	-2,71	-3,59
L	-2,00	-1,51
M	2,00	1,51

**Miniatursteckverbinder Serie 581 · 680 · 682**

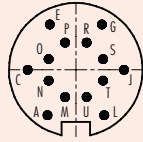
**Miniature connectors series 581 · 680 · 682**

Polbilder  
Contact arrangements

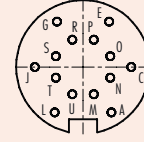
Stifteinsatz (Steckseite)  
Male insert (mating side)

Buchseinsatz (Steckseite)  
Female insert (mating side)

14 pol  
14 contacts

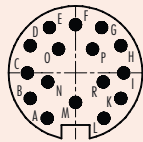


	X	Y
A	-2,50	-4,00
C	-4,25	0,00
E	-2,30	4,00
G	2,30	4,00
J	4,25	0,00
L	2,50	4,00
M	-0,95	-2,40
N	-2,40	-0,95
O	-2,40	0,95
P	-0,95	2,40
R	0,95	2,40
S	2,40	0,95
T	2,40	-0,95
U	0,95	-2,40

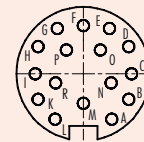


	X	Y
A	2,50	-4,00
C	4,25	0,00
E	2,30	4,00
G	-2,30	4,00
J	-4,25	0,00
L	-2,50	4,00
M	0,95	-2,40
N	2,40	-0,95
O	2,40	0,95
P	0,95	2,40
R	-0,95	2,40
S	-2,40	0,95
T	-2,40	-0,95
U	-0,95	-2,40

16 pol  
16 contacts

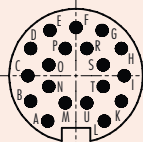


	X	Y
A	-2,50	-4,00
B	-4,00	-2,25
C	-4,25	0,00
D	-4,00	2,40
E	-2,30	4,00
F	0,00	4,25
G	2,30	4,00
H	4,00	2,40
I	4,25	0,00
K	4,00	-2,25
L	2,50	-4,00
M	0,00	-2,60
N	-2,45	-0,80
O	-1,50	2,10
P	1,50	2,10
R	2,40	-0,80

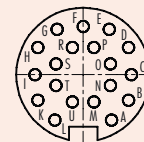


	X	Y
A	2,50	-4,00
B	4,00	-2,25
C	4,25	0,00
D	4,00	2,40
E	2,30	4,00
F	0,00	4,25
G	-2,30	4,00
H	-4,00	2,40
I	-4,25	0,00
K	-4,00	-2,25
L	-2,50	-4,00
M	0,00	-2,60
N	2,45	-0,80
O	1,50	2,10
P	-1,50	2,10
R	-2,40	-0,80

19 pol  
19 contacts

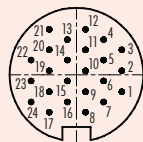


	X	Y
A	-2,50	-4,00
B	-4,00	-2,25
C	-4,25	0,00
D	-4,00	2,40
E	-2,30	4,00
F	0,00	4,25
G	2,30	4,00
H	4,00	2,40
I	4,25	0,00
K	4,00	-2,25
L	2,50	-4,00
M	-0,95	-2,40
N	-2,40	-0,95
O	-2,40	0,95
P	-0,95	2,40
R	0,95	2,40
S	2,40	0,95
T	2,40	-0,95
U	0,95	-2,40

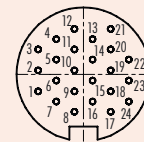


	X	Y
A	2,50	-4,00
B	4,00	-2,25
C	4,25	0,00
D	4,00	2,40
E	2,30	4,00
F	0,00	4,25
G	-2,30	4,00
H	-4,00	2,40
I	-4,25	0,00
K	-4,00	-2,25
L	-2,50	-4,00
M	0,95	-2,40
N	2,40	-0,95
O	2,40	0,95
P	0,95	2,40
R	-0,95	2,40
S	-2,40	0,95
T	-2,40	-0,95
U	-0,95	-2,40

24 pol  
24 contacts



	X	Y
1	4,00	-1,50
2	4,00	0,35
3	4,00	2,20
4	2,40	3,10
5	2,40	1,30
6	2,40	-0,55
7	2,40	-2,40
8	0,80	-3,30
9	0,80	-1,50
10	0,80	0,35
11	0,80	2,20
12	0,80	4,00
13	-0,80	3,10
14	-0,80	1,30
15	-0,80	-0,55
16	-0,80	-2,40
17	-2,40	-3,30
18	-2,40	-1,50
19	-2,40	0,35
20	-2,40	2,20
21	-2,40	4,00
22	-4,00	1,30
23	-4,00	-0,55
24	-4,00	-2,40



	X	Y
1	-4,00	-1,50
2	-4,00	0,35
3	-4,00	2,20
4	-2,40	3,10
5	-2,40	1,30
6	-2,40	-0,55
7	-2,40	-2,40
8	-0,80	-3,30
9	-0,80	-1,50
10	-0,80	0,35
11	-0,80	2,20
12	-0,80	4,00
13	0,80	3,10
14	0,80	1,30
15	0,80	-0,55
16	0,80	-2,40
17	2,40	-3,30
18	2,40	-1,50
19	2,40	0,35
20	2,40	2,20
21	2,40	4,00
22	4,00	1,30
23	4,00	-0,55
24	4,00	-2,40

Montageausschnitt  
Panel cut out

