

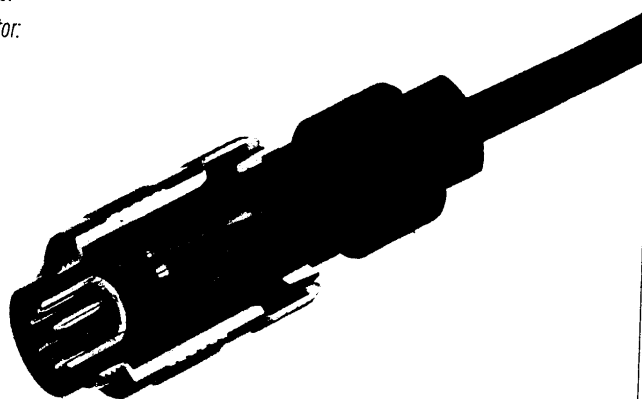
Miniatur Rundsteckverbinder Serie 723 Miniature circular connectors series 723

Kurzinformation Brief information

Kabelsteckverbinder

- Steckverbinder mit Schraubverriegelung nach IEC 130-9
- Schutzart IP 67¹⁾
- Einfache Montage
- Schwarzes Design
- Innenliegende Zugentlastung
- Gerade und gewinkelte Ausführung
- Winkelsteckverbinder in 4 Winkelstellungen einstellbar

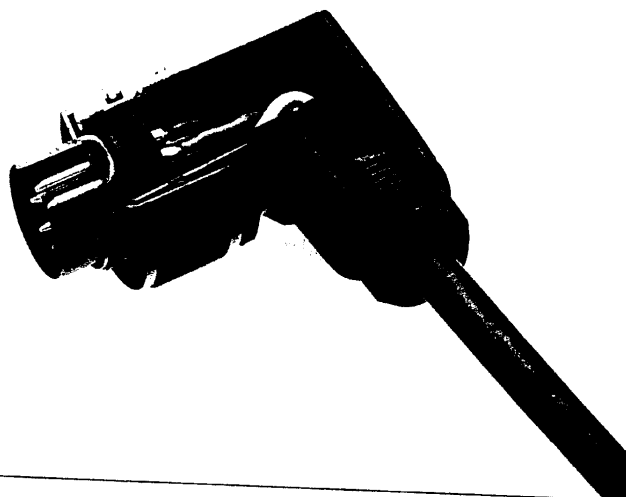
Aufbau des Steckverbinders:
Construction of the connector:



Standard Version
Standard version

Cable connector

- Angled connector with screw locking according to IEC 130-9
- Degree of protection IP 67¹⁾
- Easy assembly
- Black design
- Internal strain relief
- Angled connector adjustable in 4 angled position

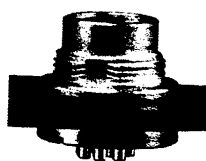


Gewinkelte Ausführung
Angled version

Flanschsteckverbinder

- 1 Standard: mit Lötanschluss, wird von vorn eingesetzt und von hinten verschraubt.
- 2 Mit Lötanschluss, von vorn verschraubbar, besonders geeignet für vorkonfigurierte Kabelbäume, die nach dem Löt eingebaut werden.
- 3 Mit Tauchlötanschluss, für den Anschluss auf die Leiterplatte (Abbildung vor dem Einbau in das Gehäuse).
- 4 Mit Tauchlötanschluss nach der Gehäusemontage.

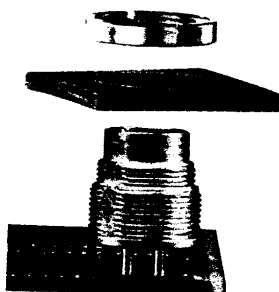
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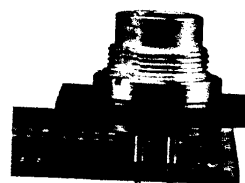
2



3



4



Chassis sockets

- 1 Standard, with solder termination, mounted from front side and fastened from back side.
- 2 With solder termination, mounted from back side and fastened from front side, especially suited for preassembled cable trees which are mounted after soldering.
- 3 Dip solder termination for connection to PCB (figure: before built into housing).
- 4 Dip solder termination after installation into housing.

Miniatur Rundsteckverbinder Serie 723 Miniature circular connectors series 723

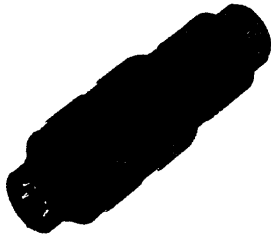
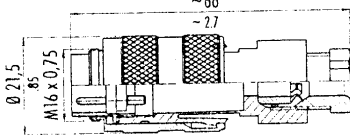
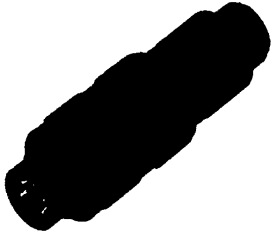
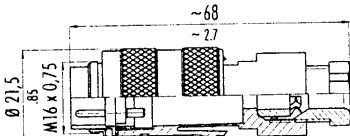
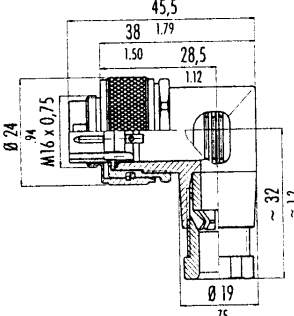
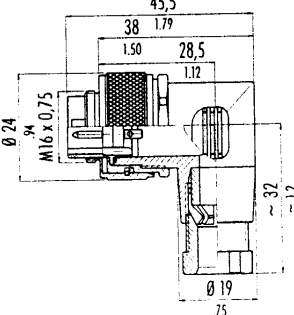
Technische Daten ¹⁾ Specifications ¹⁾

Allgemeine Kennwerte	General Characteristics															
Polzahl	Number of contacts	2	3 DIN	4	5	5 DIN	6 DIN	7	7 DIN	8 DIN	12	14	16	19	24	
Verriegelung	Locking system	schrauben / screw														
Anschlussort	Termination	löten, tauchlöten / solder, dip solder														
Anschlussquerschnitt in mm²	Wire gauge in mm²	max. 0,75										max. 0,25			0,14	
Anschlussquerschnitt in AWG	Wire gauge in AWG	max. 20										max. 24			26	
Kabeldurchlass	Cable outlet	4 - 6 mm (PG 7) [12 - .24] / 6 - 8 mm (PG 9) [.24 - .32]														
Schutzart Gehäuse	Shell protection	IP 67														
Mechanische Lebensdauer	Mechanical operation	> 500 Steckzyklen / > 500 mating cycles														
Obere Grenztemperatur	Upper temperature	+ 95 °C (+ 203 °F)														
Untere Grenztemperatur	Lower temperature	− 30 °C (− 40 °F)														
Gewicht Kabelsteckverbinder	Weight cable connector	~ 38 g (gerade/straight), ~ 65 g (gewinkelt/angled)														
Gewicht Flanschsteckverbinder	Weight socket	~ 12 g														
Elektrische Kennwerte	Electrical Characteristics															
Bemessungsspannung	Rated voltage	250 V			60 V		125 V			60 V						
Bemessungs-Stoßspannung	Rated impulse voltage	1500 V			500 V		800 V			500 V						
Verschmutzungsgrad	Pollution degree	I														
Überspannungskategorie	Overvoltage categorie	I														
Isolierstoffgruppe	Material group	III														
Prüfstoßspannung	Test voltage	1750 V			550 V		910 V			550 V						
Bemessungsstrom (40 °C)	Rated current (40 °C)	7 A		6 A			5 A			3 A			1 A			
Durchgangswiderstand	Contact resistance	≤ 5 mΩ										≤ 3 mΩ				
Isolationswiderstand	Insulation resistance	≥ 10 ¹⁰ Ω														
Werkstoffe	Materials															
Kontaktstift	Pin contact	CuZn (Messing/brass)														
Kontaktbuchse	Socket contact	CuSn (Bronze/bronze)														
Kontaktoberfläche	Contact plating	Ag (Silber/silver) / Au (Gold/gold)										Au (Gold/gold)				
Steckerkörper	Male insert	PBT (UL 94 V-0)														
Buchsenkörper	Female Insert	PBT (UL 94 V-0)														
Gehäuse Kabelstecker	Housing cable connector	PA 66 (UL 94 HB)														
Verriegelungsring	Ring nut	CuZn (Messing, schwarz verchromt/brass, black chromium-plated)														
Flanschgehäuse	Socket	Zink-Druckguss, vernickelt/zinc diecasting, nickel plated														

¹⁾ Normen und Prüfbedingungen für diese Angaben siehe Seite TI-16. / Standards and test parameters for this data see page TI-16.

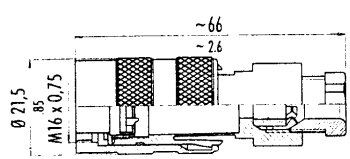
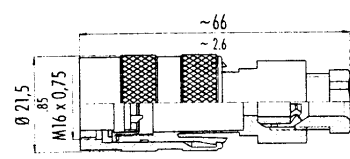
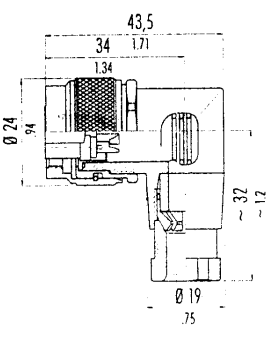
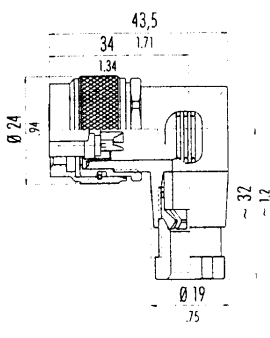
Miniatur Rundsteckverbinder Serie 723 Miniature circular connectors series 723

Kabelstecker Male cable connectors

Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr./Ordering-No.	
			versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
Kabelstecker Kabeldurchlass 4 - 6 mm <i>Male cable connector cable outlet 4 - 6 mm (.16 - .24 in.)</i> 		2	09-0101-25-02	09-0101-19-02
		3 DIN	09-0105-25-03	09-0105-19-03
		4	09-0109-25-04	09-0109-19-04
		5	09-0113-25-05	09-0113-19-05
		5 (Stereo)	09-0117-25-05	09-0117-19-05
		6 DIN	09-0121-25-06	09-0121-19-06
		7	09-0125-25-07	09-0125-19-07
		7 DIN	09-0581-25-07	—
		8 DIN	09-0171-25-08	09-0171-19-08
		12	—	09-0129-25-12
		14	—	09-0451-25-14
		16	—	09-0505-25-16
		19	—	09-0461-25-19
		24	—	09-0495-25-24
Kablestecker Kabeldurchlass 6 - 8 mm <i>Male cable connector cable outlet 6 - 8 mm (.24 - .32 in.)</i> 		2	09-0101-70-02	09-0101-79-02
		3 DIN	09-0105-70-03	09-0105-79-03
		4	09-0109-70-04	09-0109-79-04
		5	09-0113-70-05	09-0113-79-05
		5 (Stereo)	09-0117-70-05	09-0117-79-05
		6 DIN	09-0121-70-06	09-0121-79-06
		7	09-0125-70-07	09-0125-79-07
		7 DIN	—	—
		8 DIN	09-0171-70-08	09-0171-79-08
		12	—	09-0129-70-12
		14	—	09-0451-70-14
		16	—	09-0505-70-16
		19	—	09-0461-70-19
		24	—	09-0495-70-24
Winkelstecker Kabeldurchlass 4 - 6 mm <i>Male angled connector cable outlet 4 - 6 mm (.16 - .24 in.)</i> 		2	99-0101-106-02	99-0101-118-02
		3 DIN	99-0105-106-03	99-0105-118-03
		4	99-0109-106-04	99-0109-118-04
		5	99-0113-106-05	99-0113-118-05
		5 (Stereo)	99-0117-106-05	99-0117-118-05
		6 DIN	99-0121-106-06	99-0121-118-06
		7	99-0125-106-07	99-0125-118-07
		7 DIN	99-0581-106-07	—
		8 DIN	99-0171-106-08	99-0171-118-08
		12	—	99-0129-106-12
		14	—	99-0451-106-14
		16	—	99-0505-106-16
		19	—	99-0461-106-19
		24	—	99-0495-106-24
Winkelstecker Kabeldurchlass 6 - 8 mm <i>Male angled connector cable outlet 6 - 8 mm (.24 - .32 in.)</i> 		2	99-0101-75-02	99-0101-77-02
		3 DIN	99-0105-75-03	99-0105-77-03
		4	99-0109-75-04	99-0109-77-04
		5	99-0113-75-05	99-0113-77-05
		5 (Stereo)	99-0117-75-05	99-0117-77-05
		6 DIN	99-0121-75-06	99-0121-77-06
		7	99-0125-75-07	99-0125-77-07
		7 DIN	—	—
		8 DIN	99-0171-75-08	99-0171-77-08
		12	—	99-0129-75-12
		14	—	99-0451-75-14
		16	—	99-0505-75-16
		19	—	99-0461-75-19
		24	—	99-0495-75-24

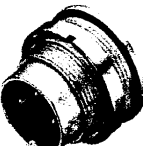
Miniatur Rundsteckverbinder Serie 682 Miniature circular connectors series 682

Kabeldosen Female cable connectors

Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr./Ordering-No.	
			versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
Kabeldose, Kabeldurchlass 4 - 6 mm Female cable connector, cable outlet 4 - 6 mm (.16 - .24 in.)		2	09-0102-25-02	09-0102-19-02
		3 DIN	09-0106-25-03	09-0106-19-03
		4	09-0110-25-04	09-0110-19-04
		5	09-0114-25-05	09-0114-19-05
		5 (Stereo)	09-0118-25-05	09-0118-19-05
		6 DIN	09-0122-25-06	09-0122-19-06
		7	09-0126-25-07	09-0126-19-07
		7 DIN	09-0582-25-07	—
		8 DIN	09-0172-25-08	09-0172-19-08
		12	—	09-0130-25-12
		14	—	09-0452-25-14
		16	—	09-0506-25-16
		19	—	09-0462-25-19
		24	—	09-0496-25-24
Kabeldose, Kabeldurchlass 6 - 8 mm Female cable connector, cable outlet 6 - 8 mm (.24 - .32 in.)		2	09-0102-70-02	09-0102-79-02
		3 DIN	09-0106-70-03	09-0106-79-03
		4	09-0110-70-04	09-0110-79-04
		5	09-0114-70-05	09-0114-79-05
		5 (Stereo)	09-0118-70-05	09-0118-79-05
		6 DIN	09-0122-70-06	09-0122-79-06
		7	09-0126-70-07	09-0126-79-07
		7 DIN	—	—
		8 DIN	09-0172-70-08	09-0172-79-08
		12	—	09-0130-70-12
		14	—	09-0452-70-14
		16	—	09-0506-70-16
		19	—	09-0462-70-19
		24	—	09-0496-70-24
Winkeldose, Kabeldurchlass 4 - 6 mm Female angled connector, cable outlet 4 - 6 mm (.16 - .24 in.)		2	99-0102-106-02	99-0102-118-02
		3 DIN	99-0106-106-03	99-0106-118-03
		4	99-0110-106-04	99-0110-118-04
		5	99-0114-106-05	99-0114-118-05
		5 (Stereo)	99-0118-106-05	99-0118-118-05
		6 DIN	99-0122-106-06	99-0122-118-06
		7	99-0126-106-07	99-0126-118-07
		7 DIN	07-0582-106-07	—
		8 DIN	99-0172-106-08	99-0172-118-08
		12	—	99-0130-106-12
		14	—	99-0452-106-14
		16	—	99-0506-106-16
		19	—	99-0462-106-19
		24	—	99-0496-106-24
Winkeldose Kabeldurchlass 6 - 8 mm Female angled connector, cable outlet 6 - 8 mm (.24 - .32 in.)		2	99-0102-75-02	99-0102-77-02
		3 DIN	99-0106-75-03	99-0106-77-03
		4	99-0110-75-04	99-0110-77-04
		5	99-0114-75-05	99-0114-77-05
		5 (Stereo)	99-0118-75-05	99-0118-77-05
		6 DIN	99-0122-75-06	99-0122-77-06
		7	99-0126-75-07	99-0126-77-07
		7 DIN	—	—
		8 DIN	99-0172-75-08	99-0172-77-08
		12	—	99-0130-75-12
		14	—	99-0452-75-14
		16	—	99-0506-75-16
		19	—	99-0462-75-19
		24	—	99-0496-75-24

Miniatur Rundsteckverbinder Serie 723 Miniature circular connectors series 723

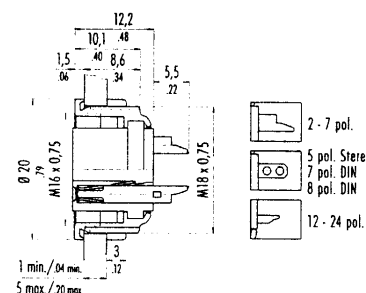
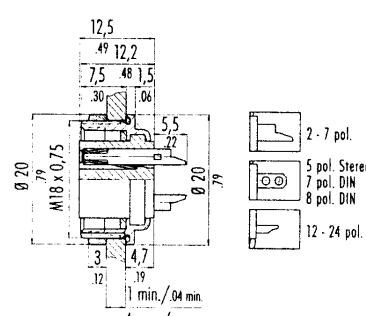
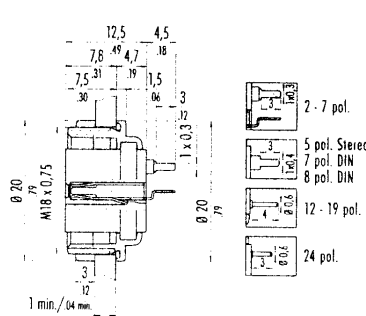
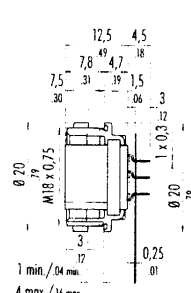
Flanschstecker Male sockets

Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr./Ordering-No. versilberte Kontakte silver plated contacts		vergoldete Kontakte gold plated contacts
Flanschstecker, löten Male socket, solder		2	09-0103-00-02	09-0103-09-02	
		3 DIN	09-0107-00-03	09-0107-09-03	
		4	09-0111-00-04	09-0111-09-04	
		5	09-0115-00-05	09-0115-09-05	
		5 (Stereo)	09-0119-00-05	09-0119-09-05	
		6 DIN	09-0123-00-06	09-0123-09-06	
		7	09-0127-00-07	09-0127-09-07	
		7 DIN	09-0583-00-07	—	
		8 DIN	09-0173-00-08	09-0173-09-08	
		12	—	09-0131-00-12	
		14	—	09-0453-00-14	
		19	—	09-0463-00-19	
		24	—	09-0497-00-24	
Flanschstecker, löten, von vorne verschraubbar Male socket, solder, front fastened		2	09-0103-80-02	09-0103-89-02	
		3 DIN	09-0107-80-03	09-0107-89-03	
		4	09-0111-80-04	09-0111-89-04	
		5	09-0115-80-05	09-0115-89-05	
		5 (Stereo)	09-0119-80-05	09-0119-89-05	
		6 DIN	09-0123-80-06	09-0123-89-06	
		7	09-0127-80-07	09-0127-89-07	
		7 DIN	—	—	
		8 DIN	09-0173-80-08	09-0173-89-08	
		12	—	09-0131-80-12	
		14	—	09-0453-80-14	
		19	—	09-0463-80-19	
		24	—	09-0497-80-24	
Flanschstecker, tauchlöten, von vorne verschraubbar Male socket, dip solder, front fastened		2	09-0103-90-02	09-0103-99-02	
		3 DIN	09-0107-90-03	09-0107-99-03	
		4	09-0111-90-04	09-0111-99-04	
		5	09-0115-90-05	09-0115-99-05	
		5 (Stereo)	09-0119-90-05	09-0119-99-05	
		6 DIN	09-0123-90-06	09-0123-99-06	
		7	09-0127-90-07	09-0127-99-07	
		7 DIN	—	—	
		8 DIN	09-0173-90-08	09-0173-99-08	
		12	—	09-0131-90-12	
		14	—	09-0453-90-14	
		19	—	09-0463-90-19	
		24	—	09-0497-90-24	
Flanschstecker mit Flexplatte, von vorne verschraubbar Male socket with flex board, front fastened		7	09-0127-65-07		
		8	09-0173-65-08		
		12		09-0131-65-12	
		12		09-0131-66-12	

Weitere Maße siehe Seite Z2.
Additional dimensions see page Z2

Miniatur Rundsteckverbinder Serie 723 Miniature circular connectors series 723

Flanschdosen Female sockets

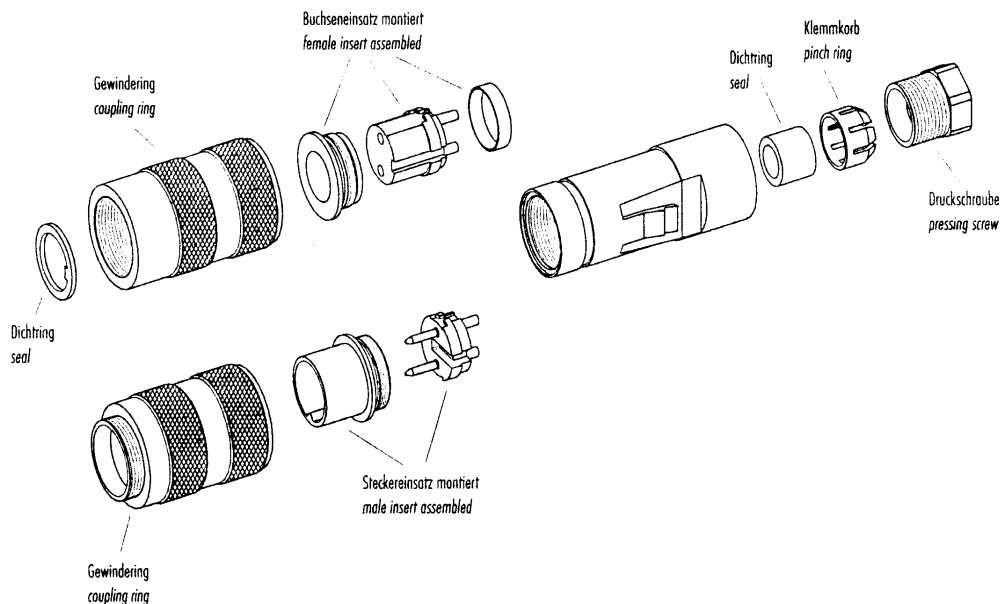
Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr./Ordering-No.	
			versilberte Kontakte silver plated contacts	vergoldete Kontakte gold plated contacts
Flanschdose, löten Female socket, solder		2	09-0104-00-02	09-0104-09-02
		3 DIN	09-0108-00-03	09-0108-09-03
		4	09-0112-00-04	09-0112-09-04
		5	09-0116-00-05	09-0116-09-05
		5 (Stereo)	09-0120-00-05	09-0120-09-05
		6 DIN	09-0124-00-06	09-0124-09-06
		7	09-0128-00-07	09-0128-09-07
		7 DIN	09-0584-00-07	—
		8 DIN	09-0174-00-08	09-0174-09-08
		12	—	09-0132-00-12
		14	—	09-0454-00-14
		19	—	09-0464-00-19
		24	—	09-0498-00-24
Flanschdose, löten, von vorne verschraubbar Female socket, solder, front fastened		2	09-0104-80-02	09-0104-89-02
		3 DIN	09-0108-80-03	09-0108-89-03
		4	09-0112-80-04	09-0112-89-04
		5	09-0116-80-05	09-0116-89-05
		5 (Stereo)	09-0120-80-05	09-0120-89-05
		6 DIN	09-0124-80-06	09-0124-89-06
		7	09-0128-80-07	09-0128-89-07
		7 DIN	—	—
		8 DIN	09-0174-80-08	09-0174-89-08
		12	—	09-0131-80-12
		14	—	09-0454-80-14
		19	—	09-0464-80-19
		24	—	09-0498-80-24
Flanschdose, tauchlöten, von vorne verschraubbar Female socket, dip solder, front fastened		2	09-0104-90-02	09-0104-99-02
		3 DIN	09-0108-90-03	09-0108-99-03
		4	09-0112-90-04	09-0112-99-04
		5	09-0116-90-05	09-0116-99-05
		5 (Stereo)	09-0120-90-05	09-0120-99-05
		6 DIN	09-0124-90-06	09-0124-99-06
		7	09-0128-90-07	09-0128-99-07
		7 DIN	—	—
		8 DIN	09-0174-90-08	09-0174-99-08
		12	—	09-0132-90-12
		14	—	09-0454-90-14
		19	—	09-0464-90-19
		24	—	09-0498-90-24
Flanschdose mit Flexplatte, von vorne verschraubbar Female socket with flex board, front fastened		7	09-0128-65-07	
		8	09-0174-65-08	
		12		09-0132-65-12
		12		09-0132-66-12

Weitere Maße siehe Seite Z2.
Additional dimensions see page Z2.

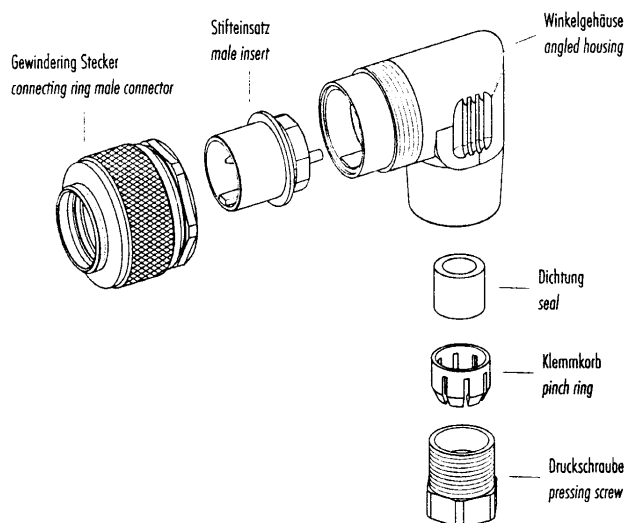
Miniatur Rundsteckverbinder Serie 723
Miniature circular connectors series 723

Einzelteildarstellung
Component part drawings

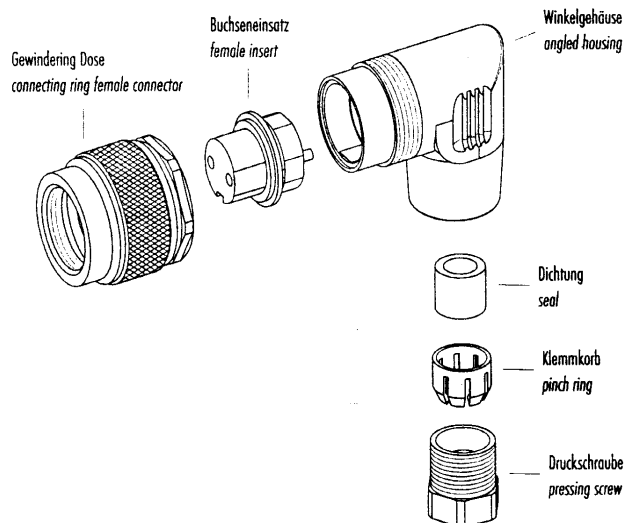
Kabelsteckverbinder
Cable connector



Winkelstecker
Male angled connector



Winkeldose
Female angled connector



Miniatur Rundsteckverbinder Serie 723

Miniature circular connectors series 723

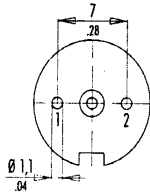
Polbilder

Contact arrangements

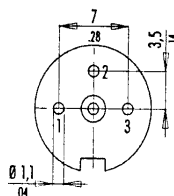
Polbilder mit Sicht auf die Lötanschlussseite der Stifteinsätze
Contact arrangements with view on the solder termination side of male inserts

x-y Koordinaten
x-y Coordinates

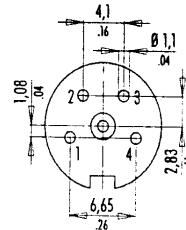
2 pol



3 pol (DIN 41524)



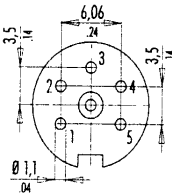
4 pol



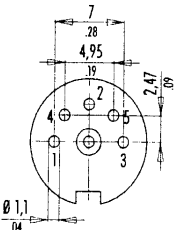
8 pol

	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

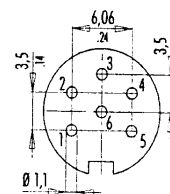
5 pol



5 pol stereo (DIN 41524)



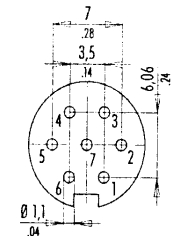
6 pol (DIN 45322)



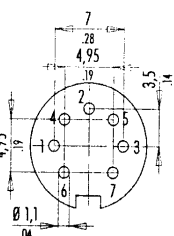
12 pol

	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

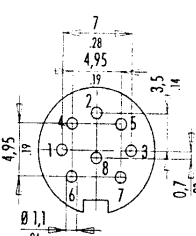
7 pol



7 pol (DIN 45329)



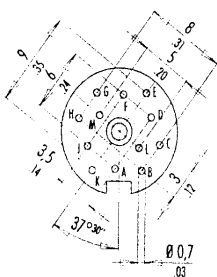
8 pol (DIN 45326)



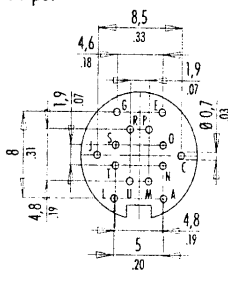
14 pol

	X	Y		X	Y
A	2,50	-4,00	T	-2,40	-0,95
C	4,25	0,00	U	-0,95	2,40
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			

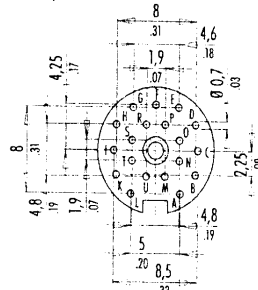
12 pol



14 pol



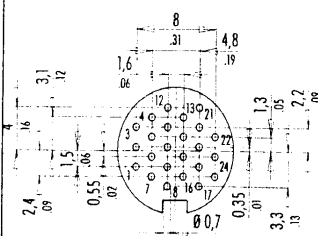
19 pol



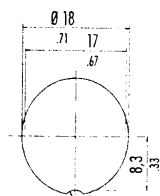
19 pol

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

24 pol



Montageausschnitt
Panel cut out



Empfohlene Bohrdurchmesser
Recommended drill hole

2-8 pol 1,1 mm (.043 in.)

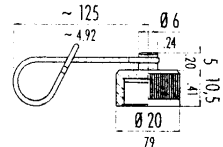
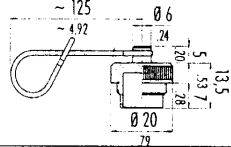
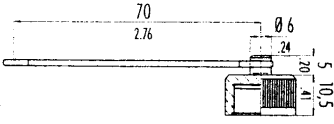
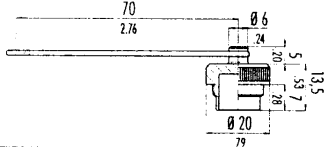
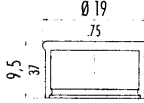
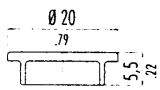
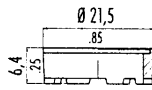
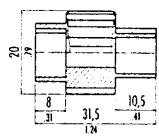
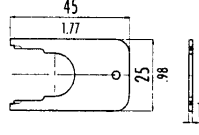
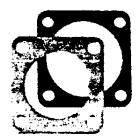
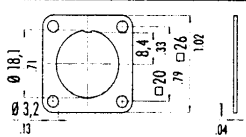
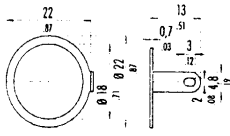
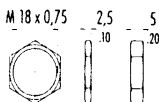
12-24 pol 0,8 mm (.031 in.)

24 pol

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

Miniatur Rundsteckverbinder Serie 723 Miniature circular connectors series 723

Zubehör Accessories

Bezeichnung Description	Abbildung Figure	Maßzeichnung Drawing	Bestell-Nr. Ordering-No.
Schutzkappe für Kabelstecker, wasserdicht, IP 67 Protection cap for male cable connector, waterproof, IP 67			08-1077-000-000
Schutzkappe für Kabeldose, wasserdicht, IP 67 Protection cap for female cable connector, waterproof, IP 67			08-1078-000-000
Schutzkappe für Flanschstecker, wasserdicht, IP 67 Protection cap for male socket, waterproof, IP 67			08-1079-000-000
Schutzkappe für Flanschdose, wasserdicht, IP 67 Protection cap for female socket, waterproof, IP 67			08-1080-000-000
Schutzkappe für Kabel- und Flanschstecker, staubdicht, IP 54 Protection cap for male cable connector and male socket, dustproof, IP 54			02-0054-000
Schutzkappe für Kabel- und Flanschdose, staubdicht, IP 54 Protection cap for female cable connector and female socket, dustproof, IP 54			02-0055-001 02-0055-000 (Schwarz/black)
Distanzhülse für Flanschsteckverbinder, Tauchlöt Ausführung, 2-19 contacts Distance shell for sockets, dip solder version, 2-19 contacts			02-0007-000
Montageschlüssel für Kabelsteckverbinder Mounting spanner for cable connector			02-1785-000
Montageschlüssel für Flanschsteckverbinder Mounting spanner for sockets			07-0010-001
Viereckflansch für Flanschsteckverbinder Rectangular flange for sockets			08-0045-000-001
Lötösenring (Schutzart kann sich verringern) Solder eye ring (Protection standard may be reduce)			04-0186-009
6-kant Mutter Hexagonal nut			01-0146-001 (2,5 mm/.10) 01-5006-001