



Serie 711

Subminiatur Rundsteckverbinder Serie 711

Subminiature circular connectors series 711

Kurzinformation

Brief information

Kabelsteckverbinder

- Steckverbinder mit Schraubverriegelung
- Schutzart IP 40 ¹⁾
- Kabeldurchlass in 2 Größen
- Kabelverschraubung mit integrierter Zugentlastung
- Kompatibel zu Steckverbinderreihen 702 und 712

Cable Connector

- Connector with screw locking
- Degree of Protection IP 40 ¹⁾
- Cable outlet in 2 sizes
- Cable housing with integrated strain relief
- Compatible to series 702 and 712

Aufbau des Steckverbinders:
Construction of the connector:



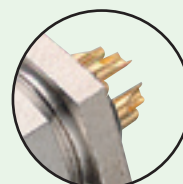
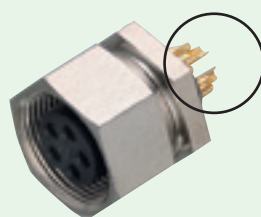
Maßstab 1 : 1 / Scale 1 : 1

Flanschsteckverbinder

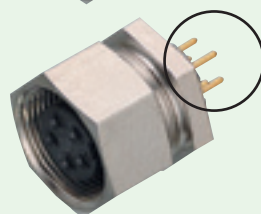
- Steckverbinder werden von hinten in den Montageausschnitt eingesetzt und von vorne verschraubt
- Ausführungen mit Löt- und Tauchlötanschluss
- Gewinkelte und gerade Ausführungen erhältlich

Chassis sockets

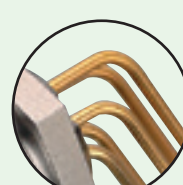
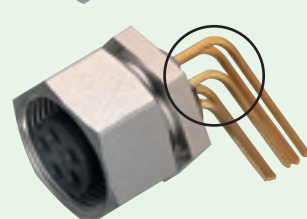
- Back mounting into housing and fastened from front side
- Versions with solder and dip-solder contacts
- Angled and straight version available



Lötanschluss
Solder termination



Tauchlötanschluss für
Leiterplattenlötlung
Dip-solder termination
for PCB mounting



Flanschdose mit
gewinkelten Kontakten
Female socket with
angled contacts



Maßstab 1 : 1 / Scale 1 : 1

¹⁾ Erläuterung der Schutzarten siehe Seite TI-3 – TI-4. / ¹⁾ Explanation of protection standards see page TI-3 – TI-4.

Subminiatur Rundsteckverbinder Serie 711

Subminiature circular connectors series 711

Technische Daten ¹⁾

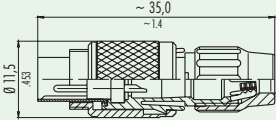
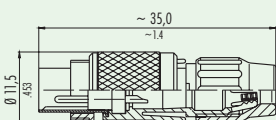
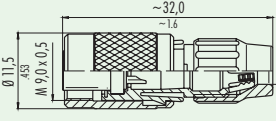
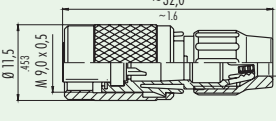
Specifications ¹⁾

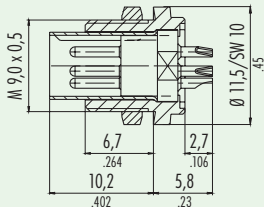
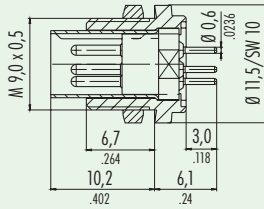
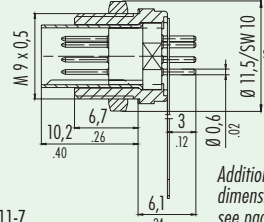
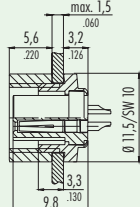
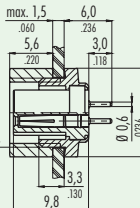
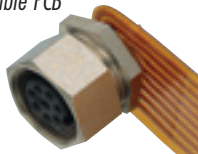
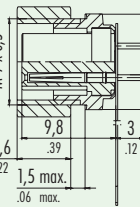
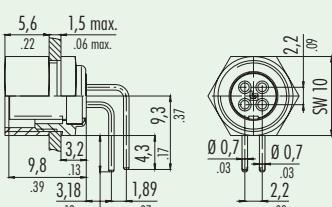
Allgemeine Kennwerte		General Characteristics					
Polzahl	Number of contacts	2	3	4	5	7	8
Verriegelung	Locking system	schrauben / screw					
Anschlussart	Termination	löten, tauchlöten / solder, dip solder					
Anschlussquerschnitt in mm ²	Wire gauge in mm ²	max. 0,25				max. 0,14	
Anschlussquerschnitt in AWG	Wire gauge in AWG	max. 24				max. 26	
Kabeldurchlass	Cable outlet	3 - 4 mm / 4 - 5 mm (.12 - .16 in. / .16 - .20 in.)					
Schutzart Gehäuse	Shell protection	IP 40					
Mechanische Lebensdauer	Mechanical operation	> 500 Steckzyklen / > 500 mating cycles					
Obere Grenztemperatur	Upper temperature	+ 85 °C (+ 185 °F)					
Untere Grenztemperatur	Lower temperature	− 40 °C (− 40 °F)					
Gewicht Kabelsteckverbinder	Weight cable connector	~ 5 g					
Gewicht Flanschsteckverbinder	Weight socket	~ 3 g					
Elektrische Kennwerte		Electrical Characteristics					
Bemessungsspannung	Rated voltage	125 V					
Bemessungs-Stoßspannung	Rated impulse voltage	1500 V					
Verschmutzungsgrad	Pollution degree	1					
Überspannungskategorie	Overvoltage categorie	II					
Isolierstoffgruppe	Material group	III					
Prüfstoßspannung	Test voltage	1750 V					
Bemessungsstrom (40 °C)	Rated current (40 °C)	4 A		3 A		1 A	
Durchgangswiderstand	Contact resistance	≤ 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	Au (Gold/gold)					
Steckerkörper	Male Insert	PBT (UL 94 V-0)					
Buchsenkörper	Female Insert	PA 66 (UL 94 V-0)					
Gehäuse Kabelstecker	Housing cable connector	PA 66 (UL 94 V-0)					
Flanschgehäuse	Socket	CuZn (Messing, vernickelt/brass, nickel plated)					

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

Subminiatur Rundsteckverbinder Serie 711 Subminiature circular connectors series 711

Kabelsteckverbinder Cable connectors

Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr. Ordering-No
Kabelstecker, Kabeldurchlass 3 - 4 mm <i>Male cable connector</i> <i>cable outlet 3 - 4 mm (.12 - .16 in.)</i> 		2	99-0071-100-02
		3	99-0075-100-03
		4	99-0079-100-04
		5	99-0095-100-05
		7	99-0475-100-07
		8	99-0479-100-08
Kabelstecker, Kabeldurchlass 4 - 5 mm <i>Male cable connector</i> <i>cable outlet 4 - 5 mm (.16 - .20 in.)</i> 		2	99-0071-102-02
		3	99-0075-102-03
		4	99-0079-102-04
		5	99-0095-102-05
		7	99-0475-102-07
		8	99-0479-102-08
Kabeldose, Kabeldurchlass 3 - 4 mm <i>Female cable connector</i> <i>cable outlet 3 - 4 mm (.12 - .16 in.)</i> 		2	99-0072-100-02
		3	99-0076-100-03
		4	99-0080-100-04
		5	99-0096-100-05
		7	99-0476-100-07
		8	99-0480-100-08
Kabeldose, Kabeldurchlass 4 - 5 mm <i>Female cable connector</i> <i>cable outlet 4 - 5 mm (.16 - .20 in.)</i> 		2	99-0072-102-02
		3	99-0076-102-03
		4	99-0080-102-04
		5	99-0096-102-05
		7	99-0476-102-07
		8	99-0480-102-08

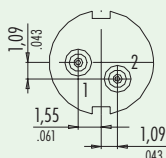
Subminiatur Rundsteckverbinder Serie 711 Subminiature circular connectors series 711		Flanschsteckverbinder Sockets	
Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr. Ordering-No
Flanschstecker, löten Male socket, solder 		2	09-0073-00-02
		3	09-0077-00-03
		4	09-0081-00-04
		5	09-0097-00-05
		7	09-0477-00-07
		8	09-0481-00-08
Flanschstecker, tauchlöten Male socket, dip-solder 		2	09-0073-20-02
		3	09-0077-20-03
		4	09-0081-20-04
		5	09-0097-20-05
		7	09-0477-22-07
		8	09-0481-22-08
Flanschstecker mit flexibler Leiterplatte Male socket with flexible PCB 	 Weitere Maße siehe Seite 711-7 Additional dimensions see page 711-7	—	—
		—	—
		—	—
		—	—
		7	09-0477-65-07
		8	09-0481-65-08
Flanschdose, löten Female socket, solder 		2	09-0074-00-02
		3	09-0078-00-03
		4	09-0082-00-04
		5	09-0098-00-05
		7	09-0478-00-07
		8	09-0482-00-08
Flanschdose, tauchlöten Female socket, dip-solder 		2	09-0074-20-02
		3	09-0078-20-03
		4	09-0082-20-04
		5	09-0098-20-05
		7	09-0478-22-07
		8	09-0482-22-08
Flanschdose mit flexibler Leiterplatte Female socket with flexible PCB 	 Weitere Maße siehe Seite 711-7 Additional dimensions see page 711-7	—	—
		—	—
		—	—
		—	—
		7	09-0478-65-07
		8	09-0482-65-08
Flanschdose, gewinkelt Female socket, angled 		—	—
		—	—
		4	09-0082-32-04
		5	09-0098-72-05
		—	—
		—	—

Subminiatur Rundsteckverbinder Serie 711 Subminiature circular connectors series 711

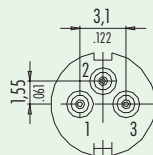
Polbilder, Montagehinweise Contact arrangement, assembly instruction

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

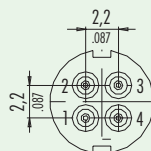
2 pol
2 contacts



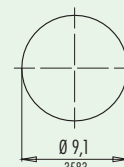
3 pol
3 contacts



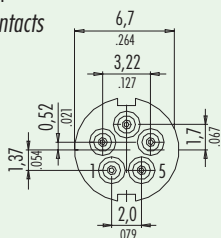
4 pol
4 contacts



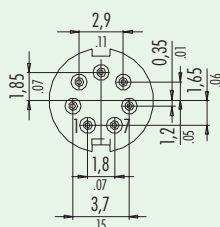
Montageausschnitt
Panel cut out



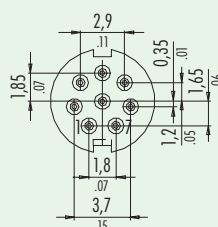
5 pol
5 contacts



7 pol
7 contacts

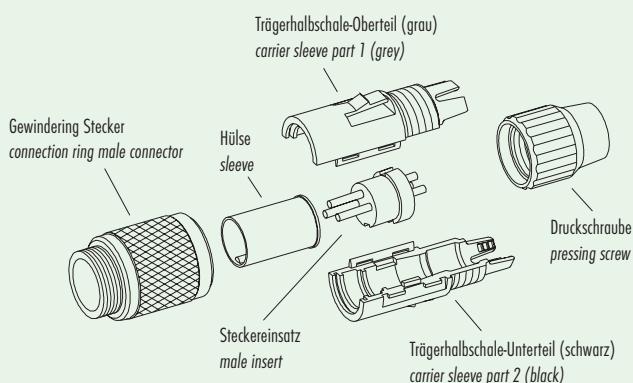


8 pol
8 contacts

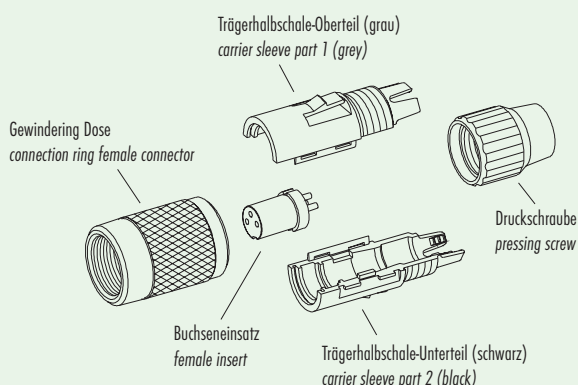


Einzelteildarstellung Component part drawing

Kabelstecker
Male connector



Kabeldose
Female connector



Achtung: max. Drehmoment des Gewinderings im Flanschsteckverbinder: 50 cNm (handfest)
Attention: max. torque of ring nut in socket connector: 50 cNm (manual adjustment)

Zubehör Accessories

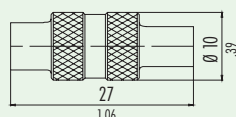
Bezeichnung
Description

Abbildung
Figure

Maßzeichnung
Drawing

Bestell Nr.
Ordering Nr.

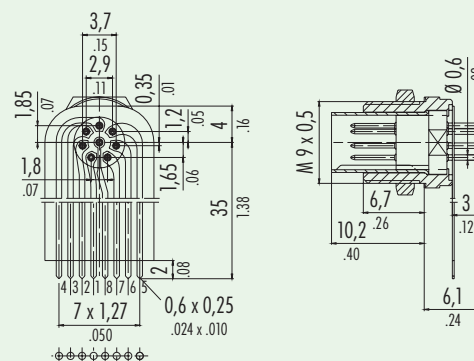
Montageschlüssel
Mounting spanner



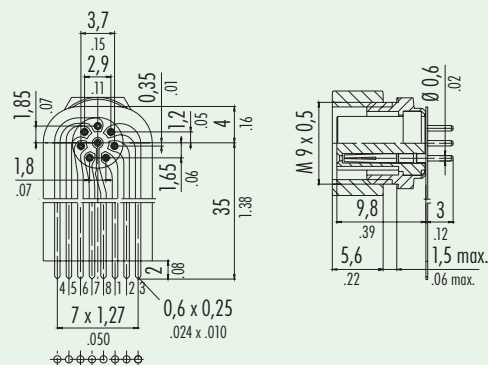
01-5059-001

Zeichnungen Drawings

09-0481-65-08



09-0482-65-08



M-C

711-7

Ü
TI

- 702
- 709
- 710
- 711**
- 712
- 719
- 423
- 440
- 581
- 678
- 680
- 682
- 720
- 723
- 623
- 690
- 691
- 692
- 693
- 694
- 707
- 713
- 718
- 763
- 765
- 768
- 714
- 715
- 766
- 815
- 820
- 772
- 775
- M-A
- M-B
- M-C

R