



M9 Steckverbinder IP40

M9 connectors IP40

Kabelsteckverbinder

- Steckverbinder mit Schraubverriegelung
- Schutzart IP40 ¹⁾
- Kabeldurchlass in 2 Größen
- Kabelverschraubung mit integrierter Zugentlastung

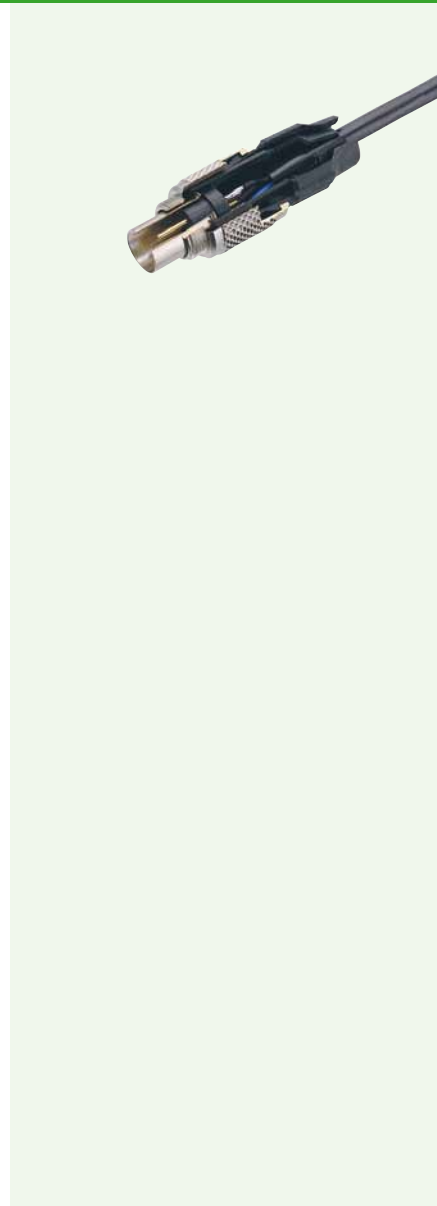
Cable Connector

- Connector with screw locking
- Degree of Protection IP40 ¹⁾
- Cable outlet in 2 sizes
- Cable housing with integrated strain relief



Aufbau des Steckverbinders:
Construction of the connector:

Kabelstecker
Male cable connector



Subminiatursteckverbinder Serie 711

Subminiature connectors series 711

Bezeichnung
Description

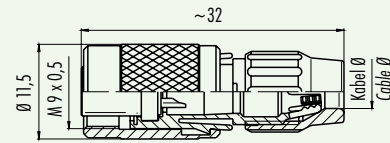
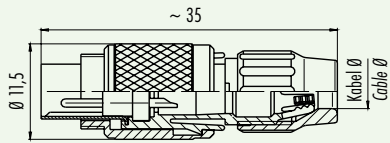
Kabelstecker
Male cable connector

Kabeldose
Female cable connector

Abbildung
Figure



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Polzahl Contacts	Kabeldurchlass 3-4mm Cable outlet 3-4mm	Kabeldurchlass 4-5mm Cable outlet 4-5mm
2	99-0071-100-02	99-0071-102-02
3	99-0075-100-03	99-0075-102-03
4	99-0079-100-04	99-0079-102-04
5	99-0095-100-05	99-0095-102-05
7	99-0475-100-07	99-0475-102-07
8	99-0479-100-08	99-0479-102-08

Polzahl Contacts	Kabeldurchlass 3-4mm Cable outlet 3-4mm	Kabeldurchlass 4-5mm Cable outlet 4-5mm
2	99-0072-100-02	99-0072-102-02
3	99-0076-100-03	99-0076-102-03
4	99-0080-100-04	99-0080-102-04
5	99-0096-100-05	99-0096-102-05
7	99-0476-100-07	99-0476-102-07
8	99-0480-100-08	99-0480-102-08

Technische Daten
Specifications

Polzahl	2	3	4	5	7	8	Number of contacts
Steckverbinder Verriegelung	schrauben/screw						Connector locking system
Anschlussart	löten/solder						Termination
Anschlussquerschnitt	max. 0,25 mm ² (max. AWG 24)				max.0,14 mm ² (max. AWG 26)		Wire gauge
Kabeldurchlass	3-4 mm/4-5 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	125 V						Rated voltage
Bemessungs-Stoßspannung	1500 V						Rated impulse voltage
Verschmutzungsgrad	I						Pollution degree
Überspannungskategorie	II						Overvoltage categorie
Isolierstoffgruppe	III						Material group
Bemessungsstrom (40°C)	4 A		3 A		1 A		Rated current (40 °C)
Durchgangswiderstand	≤ 3 mΩ						Contact resistance
Material Kontakt	Stift/pin CuZn (Messing/brass), Buchse/socket CuSn (Bronze/bronze)						Material of contact
Kontaktoberfläche	Au (Gold/gold)						Contact plating
Material Kontaktkörper	PA (UL 94 V-0)						Material of contact body
Material Gehäuse	PA (UL 94 VH-B)						Material of housing

Subminiatursteckverbinder Serie 711

Subminiature connectors series 711

Bezeichnung
Description

Abbildung
Figure

Flanschstecker, löten
Male socket, solder



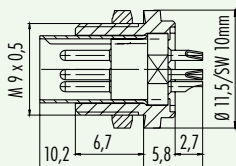
Flanschstecker, tauchlöten
Male socket, dip solder



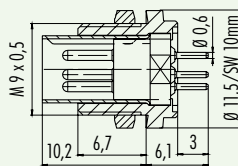
Flanschstecker mit flexibler Leiterplatte
Male socket with flexible PCB



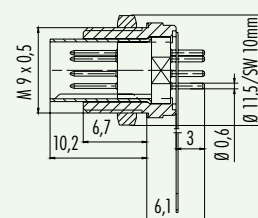
Maßzeichnung
Drawing



max. Wandstärke: 1,5 mm
max. wall thickness: 1,5 mm



max. Wandstärke: 1,5 mm
max. wall thickness: 1,5 mm



max. Wandstärke: 1,5 mm
max. wall thickness: 1,5 mm

Bestell-Nr.
Ordering-No.

Polzahl Contacts	Bestell-Nr. Ordering-No.
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

Polzahl Contacts	Bestell-Nr. Ordering-No.
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

Polzahl Contacts	Bestell-Nr. Ordering-No.
2	—
3	—
4	—
5	—
7	09-0477-65-07
8	09-0481-65-08

Technische Daten
Specifications

Polzahl	2	3	4	5	7	8	Number of contacts
Steckverbinder Verriegelung	schrauben/screw						Connector locking system
Anschlussart	löten, tauchlöten/solder, dip solder						Termination
Anschlussquerschnitt	max. 0,25 mm ² (max. AWG 24) / –				max.0,14 mm ² (max. AWG 26) / –		Wire gauge
Kabeldurchlass	–						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	125 V						Rated voltage
Bemessungs-Stoßspannung	1500 V						Rated impulse voltage
Verschmutzungsgrad	I						Pollution degree
Überspannungskategorie	II						Overvoltage categorie
Isolierstoffgruppe	III						Material group
Bemessungsstrom (40°C)	4 A		3 A		1 A		Rated current (40 °C)
Durchgangswiderstand	≤ 3 mΩ						Contact resistance
Material Kontakt	CuZn (Messing/brass)						Material ot contact
Kontaktoberfläche	Au (Gold/gold)						Contact plating
Material Kontaktkörper	PA (UL 94 V-0)						Material of contact body
Material Gehäuse	CuZn (Messing vernickelt/brass nickel plated)						Material of housing

Subminiatursteckverbinder Serie 711

Subminiature connectors series 711

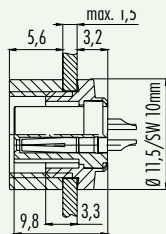
Bezeichnung
Description

Flanschdose, löten
Female socket, solder

Abbildung
Figure



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Polzahl Contacts	Bestell-Nr. Ordering-No.
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

Technische Daten
Specifications

Polzahl	2	3	4	5	7	8	Number of contacts
Steckverbinder Verriegelung	schrauben/screw						Connector locking system
Anschlussart	löten/solder						Termination
Anschlussquerschnitt	max. 0,25 mm ² (AWG max. 24)				max.0,14 mm ² (AWG max. 26)		Wire gauge
Kabeldurchlass	-						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	125 V						Rated voltage
Bemessungs-Stoßspannung	1500 V						Rated impulse voltage
Verschmutzungsgrad	1						Pollution degree
Überspannungskategorie	II						Overvoltage categorie
Isolierstoffgruppe	III						Material group
Bemessungsstrom (40°C)	4 A		3 A		1 A		Rated current (40 °C)
Durchgangswiderstand	≤ 3 mΩ						Contact resistance
Material Kontakt	CuSn (Bronze/bronze)						Material of contact
Kontaktoberfläche	Au (Gold/gold)						Contact plating
Material Kontaktkörper	PA (UL 94 V-0)						Material of contact body
Material Gehäuse	CuZn (Messing vernickelt/brass nickel plated)						Material of housing

Subminiatursteckverbinder Serie 711

Subminiature connectors series 711

Bezeichnung
Description

Abbildung
Figure

Flanschdose, tauchlöten
Female socket, dip solder



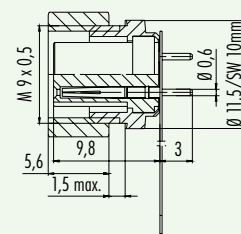
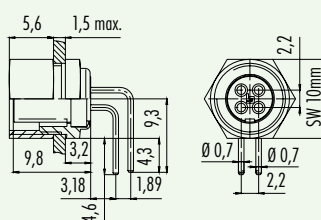
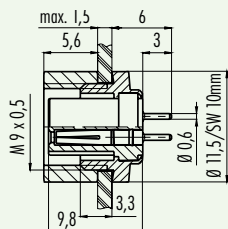
Flanschdose gewinkelt, tauchlöten
Female socket angled, dip solder



Flanschdose mit flexibler Leiterplatte
Female socket with flexible PCB



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Polzahl Contacts	Bestell-Nr. Ordering-No.	Polzahl Contacts	Bestell-Nr. Ordering-No.	Polzahl Contacts	Bestell-Nr. Ordering-No.
2	09-0074-20-02	2	—	2	—
3	09-0078-20-03	3	—	3	—
4	09-0082-20-04	4	09-0082-32-04	4	—
5	09-0098-20-05	5	09-0098-72-05	5	—
7	09-0478-22-07	7	—	7	09-0478-65-07
8	09-0482-22-08	8	—	8	09-0482-65-08

Technische Daten
Specifications

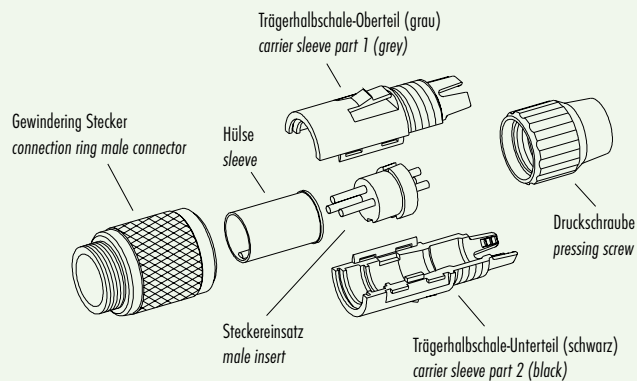
Polzahl	2	3	4	5	7	8	Number of contacts
Steckverbinder Verriegelung	schrauben/screw						Connector locking system
Anschlussart	tauchlöten/solder						Termination
Anschlussquerschnitt	—				—		Wire gauge
Kabeldurchlass	—						Cable outlet
Schutzart	IP40						Degree of protection
Mechanische Lebensdauer	> 500 Steckzyklen/> 500 mating cycles						Mechanical operation
Obere Grenztemperatur	+ 85 °C						Upper temperature
Untere Grenztemperatur	- 40 °C						Lower temperature
Bemessungsspannung	125 V						Rated voltage
Bemessungs-Stoßspannung	1500 V						Rated impulse voltage
Verschmutzungsgrad	1						Pollution degree
Überspannungskategorie	II						Overvoltage categorie
Isolierstoffgruppe	III						Material group
Bemessungsstrom (40°C)	4 A		3 A		1 A		Rated current (40 °C)
Durchgangswiderstand	≤ 3 mΩ						Contact resistance
Material Kontakt	CuSn (Bronze/bronze)						Material of contact
Kontaktoberfläche	Au (Gold/gold)						Contact plating
Material Kontaktkörper	PA (UL 94 V-0)						Material of contact body
Material Gehäuse	CuZn (Messing vernickelt/brass nickel plated)						Material of housing

Subminiatursteckverbinder Serie 711

Subminiature connectors series 711

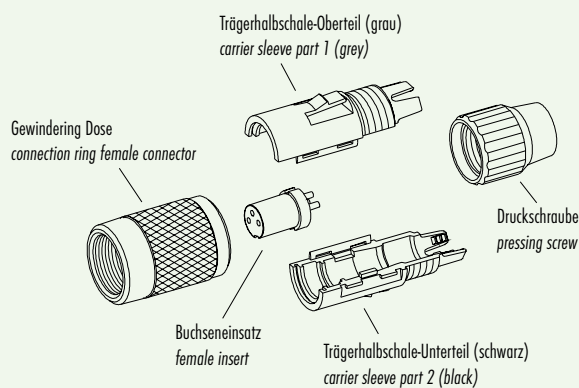
Einzelteildarstellung Component part drawing

Kabelstecker Male cable connectors



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

Kabeldose Female cable connectors



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

Subminiatursteckverbinder Serie 711

Subminiature connectors series 711

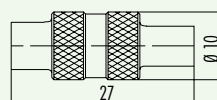
Zubehör Accessories

Abbildung Figure

Montageschlüssel Mounting spanner



Maßzeichnung Drawing



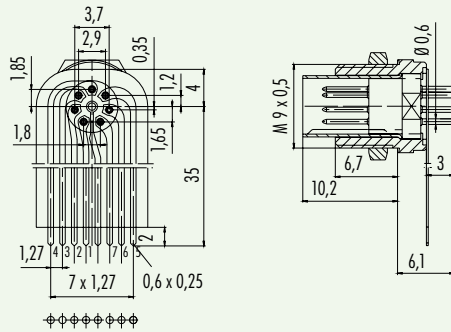
Bestell-Nr. Ordering-No.

01-5059-001

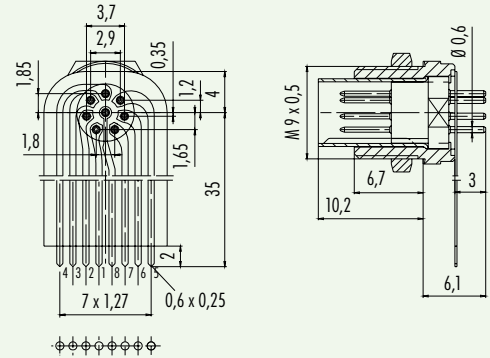
Subminiatursteckverbinder Serie 711
Subminiature connectors series 711

Zeichnungen
 Drawings

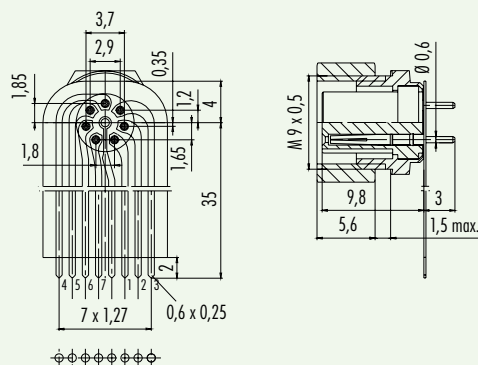
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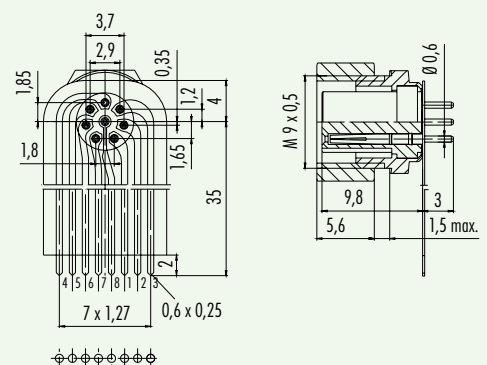
09-0481-65-08



09-0478-65-07



09-0482-65-08



Subminiatursteckverbinder Serie 711

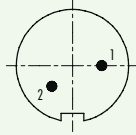
Subminiature connectors series 711

Polbilder
Contact arrangements

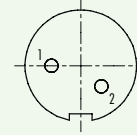
Stifteinsatz (Steckseite)
Male insert (mating side)

Buchseinsatz (Steckseite)
Female insert (mating side)

2 pol
2 contacts

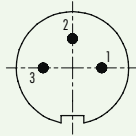


	X	Y
1	1,55	0,00
2	-1,09	-1,09

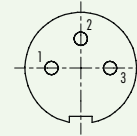


	X	Y
1	-1,55	0,00
2	1,09	-1,09

3 pol
3 contacts

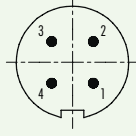


	X	Y
1	1,55	0,00
2	0,00	1,55
3	-1,55	0,00

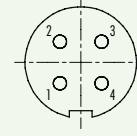


	X	Y
1	-1,55	0,00
2	0,00	1,55
3	1,55	0,00

4 pol
4 contacts

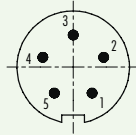


	X	Y
1	1,10	-1,10
2	1,10	1,10
3	-1,10	1,10
4	-1,10	-1,10

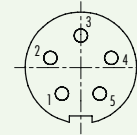


	X	Y
1	-1,10	-1,10
2	-1,10	1,10
3	1,10	1,10
4	1,10	-1,10

5 pol
5 contacts

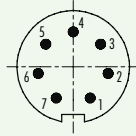


	X	Y
1	1,00	-1,37
2	1,61	0,52
3	0,00	1,70
4	-1,61	0,52
5	-1,00	-1,37

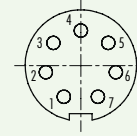


	X	Y
1	-1,00	-1,37
2	-1,61	0,52
3	0,00	1,70
4	1,61	0,52
5	1,00	-1,37

7 pol
7 contacts

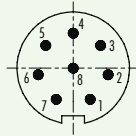


	X	Y
1	0,90	-1,65
2	1,85	-0,35
3	1,45	1,20
4	0,00	1,85
5	-1,45	1,20
6	-1,85	-0,35
7	-0,90	-1,65

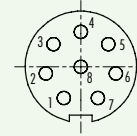


	X	Y
1	-0,90	-1,65
2	-1,85	-0,35
3	-1,45	1,20
4	0,00	1,85
5	1,45	1,20
6	1,85	-0,35
7	0,90	-1,65

8 pol
8 contacts

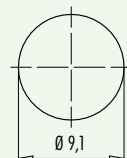


	X	Y
1	0,90	-1,65
2	1,85	-0,35
3	1,45	1,20
4	0,00	1,85
5	-1,45	1,20
6	-1,85	-0,35
7	-0,90	-1,65
8	0,00	0,00



	X	Y
1	-0,90	-1,65
2	-1,85	-0,35
3	-1,45	1,20
4	0,00	1,85
5	1,45	1,20
6	1,85	-0,35
7	0,90	-1,65
8	0,00	0,00

Montageausschnitt
Panel cut out



Notizen
Notes

R	BF-C	BF-B	BF-A	7/8"	M18	M12-US	M12-D	M12-B	Verteiler	VL	M12-A	M8	M5	RD30	RD24	M25	Bajonett	M23	M16 IP67	M16 IP40	PP IP67	Bajonett	SLIP67	M9 IP67	M9 IP40	PP IP67	WPP IP67	Bajonett	SLIP67	TI	Ü
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