



Serie 768

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Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)

Kurzinformation Brief information

Kabelsteckverbinder nicht schirmbar

- Konfektionierbar
- Gewindeverriegelung M8x1
- Schutzart IP 67¹⁾
- Löt- und Schraubanschluss
- Kompatibel zur Serie 718

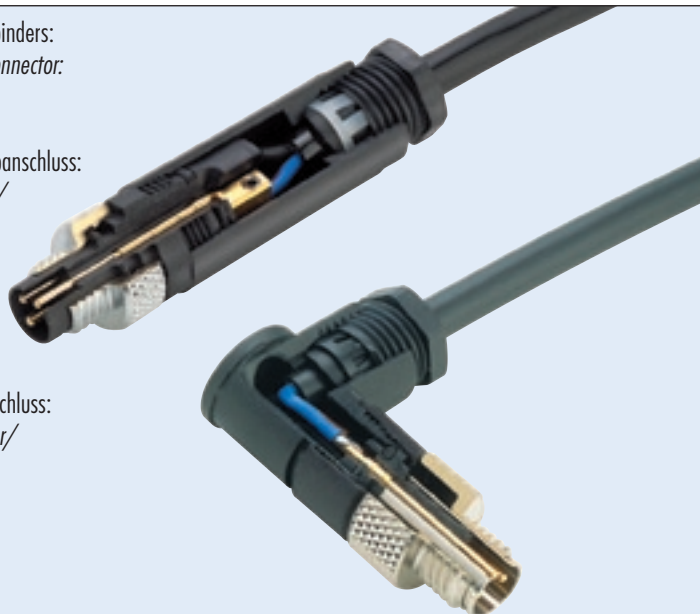
Cable Connector not shielded

- Assembly possible
- Thread locking M8x1
- Degree of protection IP 67¹⁾
- Screw- and solder termination
- Compatible with connectors series 718

Aufbau des Steckverbinders:
Construction of the connector:

Kabelstecker/Schraubanschluss:
Male cable connector/
screw termination:

Winkelstecker/Lötanschluss:
Male angled connector/
solder termination:



Kabelsteckverbinder schirmbar

- Konfektionierbar
- Gewindeverriegelung M8x1
- Schutzart IP 67¹⁾
- Lötanschluss
- Kompatibel zu Steckverbindern Serie 718

Cable Connector shielded

- Assembly possible
- Thread locking M8x1
- Degree of protection IP 67¹⁾
- Solder termination
- Compatible with connectors series 718

Kabelstecker:
Male cable connector:

Kabeldose:
Female cable connector:



Flanschsteckverbinder

- Gewindeverriegelung M8x1 und Schnappverriegelung
- Front- und Rückwandmontage
- Löten/tauchlöten/Litzen
- Kompatibel zu Steckverbindern Serie 718

Chassis Sockets

- Thread locking M8x1 and snap-in locking
- Front fastened and fastened from back side
- Solder/dip solder/wires
- Compatible with connectors series 718

Flanschstecker:
Male socket:



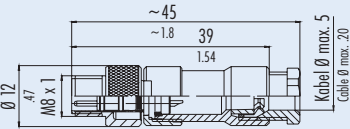
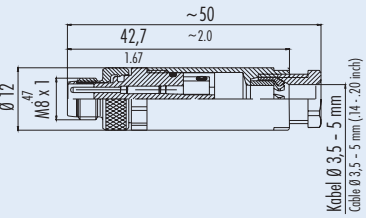
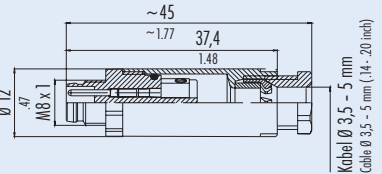
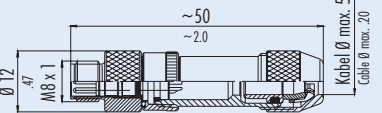
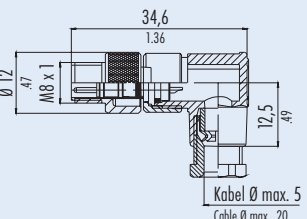
¹⁾ Erläuterung der Schutzarten siehe Seite TI-3 – TI-4. / ¹⁾ Explanation of protection standards see page TI-3 – TI-4.

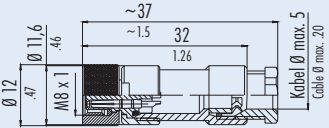
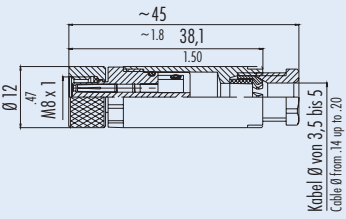
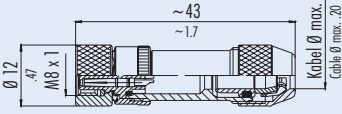
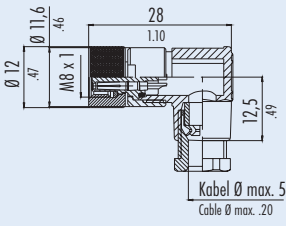
Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)		Technische Daten ¹⁾ Specifications ¹⁾	
Allgemeine Kennwerte General Characteristics			
Polzahl	Number of contacts	3	4
Verriegelung	Locking system	schraub M8x1 / screw M8x1	
Anschlussart	Termination	schrauben, löten, tauchlöten, Litzen / screw, solder, dip solder, wires	
Anschlussquerschnitt in mm ²	Wire gauge in mm ²	0,14 - 0,5 (schrauben / screw), 0,25 (löten / solder)	
Kabeldurchlass in mm	Cable outlet in mm	3,5 - 5	
Anschlussquerschnitt in AWG	Wire gauge in AWG	26 - 20 (schrauben / screw), 24 (löten / solder)	
Schutzart Gehäuse	Shell protection	IP 67	
Mechanische Lebensdauer	Mechanical operation	> 50 Steckzyklen / > 50 mating cycles	
Obere Grenztemperatur	Upper temperature	+ 85 °C (+ 185 °F)	
Untere Grenztemperatur	Lower temperature	– 40 °C (– 40 °F)	
Elektrische Kennwerte Electrical Characteristics			
Bemessungsspannung	Rated voltage	60 V	
Bemessungsstoßspannung	Rated impulse voltage	800 V	
Verschmutzungsgrad	Pollution degree	3	
Überspannungskategorie	Overvoltage categorie	II	
Isolierstoffgruppe	Material group	III	
Prüfstoßspannung	Test voltage	910 V	
Bemessungsstrom (40 °C)	Rated current (40 °C)	4 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	PUR / PA 66 (UL 94 HB)	
Buchsenkörper	Female insert	PUR / PA 66 (UL 94 V-2)	
Gehäuse Kabelstecker	Housing cable connector	PBT (UL 94 V-0)	
Flanschgehäuse	Socket	CuZn (Messing) vernickelt / (brass) nickel-plated	
Gewinding	Ring nut	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.

Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)

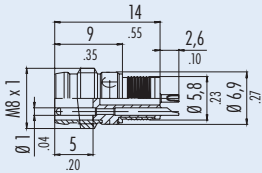
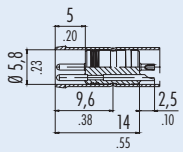
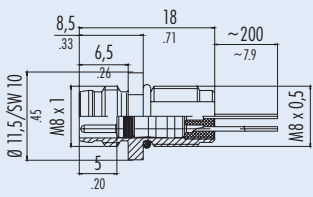
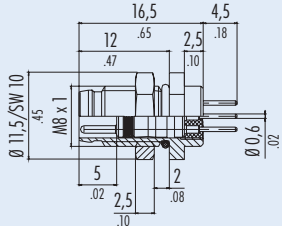
Kabelsteckverbinder Cable connectors

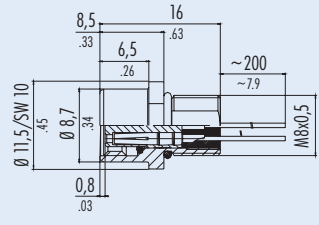
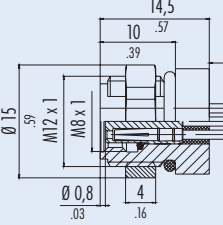
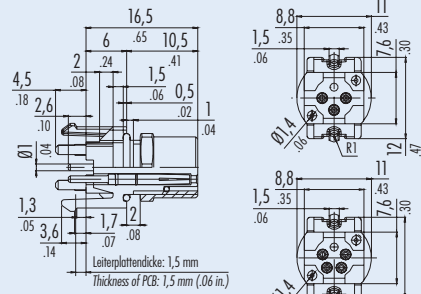
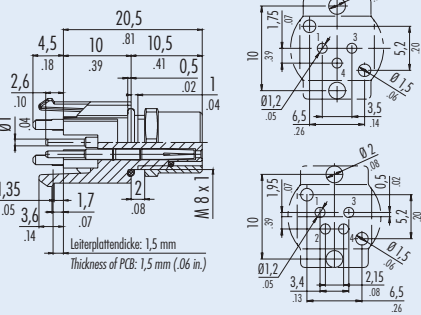
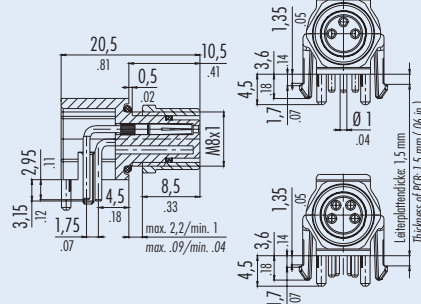
Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr. Ordering-No.
Kabelstecker, löten Male cable connector, solder 		3	99-3379-00-03
		4	99-3383-00-04
Kabelstecker, schrauben Male cable connector, screw 		3	99-3379-100-03
		4	99-3383-100-04
Kabelstecker, Kombianschluss, schnapp M8 x 1, schrauben Male cable connector, combi version, snap-in M8 x 1, screw 		3	99-3371-00-03
		4	99-3373-00-04
Kabelstecker, schirmbar, löten Male cable connector, shieldable, solder 		3	99-3361-00-03
		4	99-3363-00-04
Winkelstecker, löten Male angled connector, solder 		3	99-3385-00-03
		4	99-3387-00-04

Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)		Kabelsteckverbinder Cable connectors	
Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr. Ordering-No.
Kabeldose, löten Female cable connector, solder 		3	99-3400-00-03
		4	99-3376-00-04
Kabeldose, schrauben Female cable connector, screw 		3	99-3400-100-03
		4	99-3376-100-04
Kabeldose, schirmbar, löten Female cable connector, shieldable, solder 		3	99-3360-00-03
		4	99-3362-00-04
Winkeldose, löten Female angled connector, solder 		3	99-3402-00-03
		4	99-3378-00-04

Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)

Steckverbinder Connectors

Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr. Ordering-No.
Einbaustecker, Kombiversion Male receptacle, combi version 		3	09-3413-00-03
		3 +LED rot/red	09-3413-40-03
		3 +LED gelb/yellow	09-3413-41-03
		4	09-3415-00-04
		4 +LED rot/red	09-3415-40-04
Einbaustecker in M8-er Rohr Male receptacle for M8 tube 		3	09-3411-70-03
		4	09-3389-70-04
Flanschstecker mit Litzen, 0,25 mm ² Male socket with wires, 0,25 mm ² 		3	09-3403-00-03
		4	09-3391-00-04
Flanschstecker, Frontmontage, tauchlöten Male socket, front fastened, dip solder 		3	09-3403-81-03
		4	09-3391-81-04

Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)		Steckverbinder Connectors		
Bezeichnung — Abbildung Description — Figure	Maßzeichnung Drawing	Polzahl Contacts	Bestell-Nr. Ordering-No.	
Flanschdose mit Litzen, 0,25 mm ² Female socket with wires, 0,25 mm ² 		3	09-3412-00-03	
		4	09-3390-00-04	
Flanschdose, Frontmontage, tauchlöten Female socket, front fastened, dip solder 		3	A/mm (in.)	
			9,5 (.37)	09-3412-80-03
			4,7 (.19)	09-3412-187-03
		4	0,5 (.02)	09-3412-186-03
			9,5 (.37)	09-3390-80-04
			4,7 (.19)	09-3390-187-04
Flanschdose gerade, 6 mm Female socket straight, 6 mm 		3	99-3412-281-03	
		4	99-3390-281-04	
Flanschdose gerade, 10 mm Female socket straight, 10 mm 		3	99-3412-280-03	
		4	99-3390-280-04	
Flanschdose gewinkelt Female socket angled 		3	99-3412-282-03	
		4	99-3390-282-04	

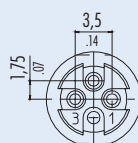
Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)

Polbilder Contact arrangements

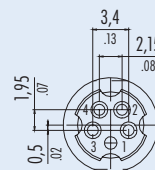
Polbilder mit Sicht auf Lötanschlusseite der Stifteinsätze
Contact arrangements with view on solder termination side of male inserts

Kabelstecker, löten
Cable connector, solder

3 pol
3 contacts

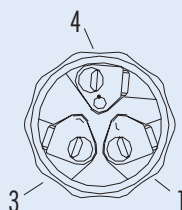


4 pol
4 contacts

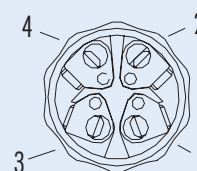


Kabelstecker, schrauben
Cable connector, screw

3 pol
3 contacts

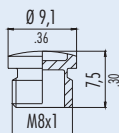


4 pol
4 contacts



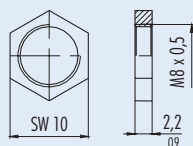
Zubehör Accessories

Schutzkappe für Dosen
Protection cap for female connectors



08-2441-000-000

Befestigungsmutter M8x0,5
Hexagonal nut M8x0,5



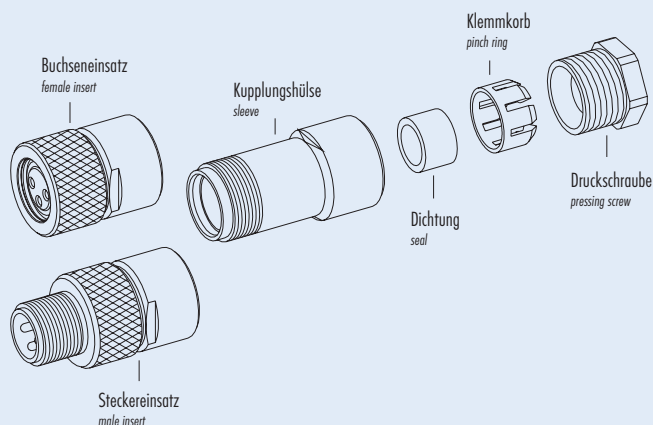
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Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)

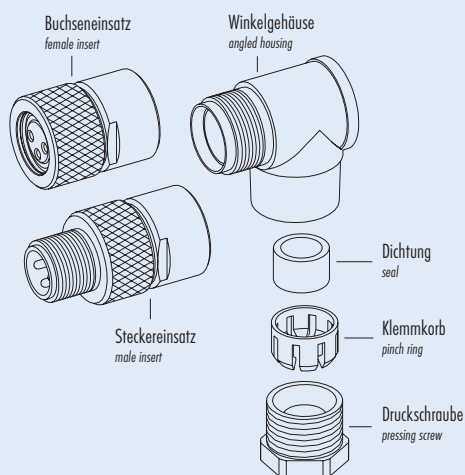
Einzelteildarstellung Component part drawing

Einzelteildarstellung
Component part drawing

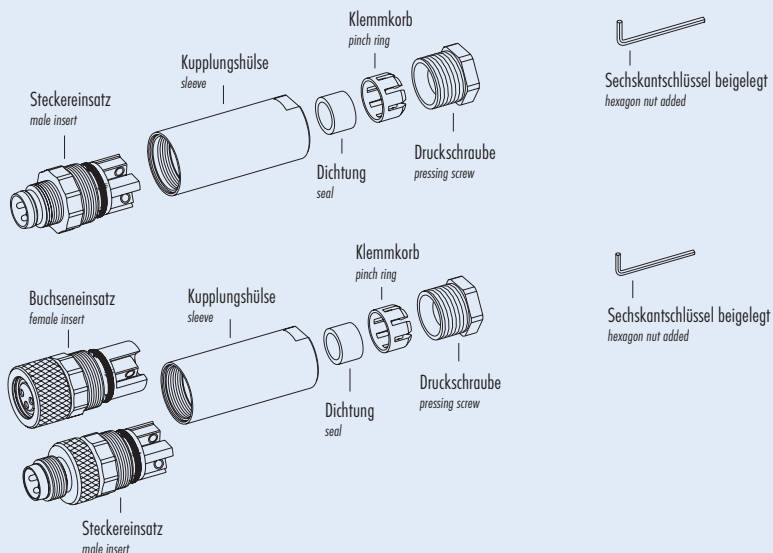
Kabelsteckverbinder, löten
Cable connector, solder



Winkelsteckverbinder, löten
Angled connector, solder



Kabelsteckverbinder, schrauben
Cable connector, screw



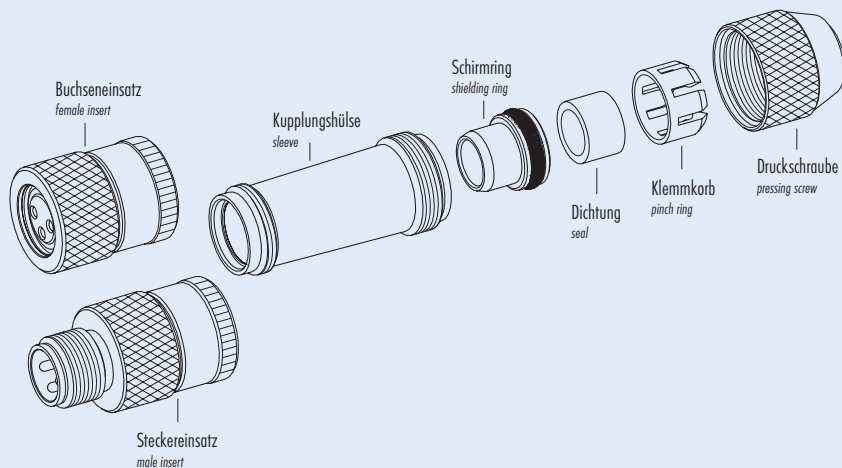
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Sensor Steckverbinder Serie 768 (M8x1) Sensor connectors series 768 (M8x1)

Einzelteildarstellung Component part drawing

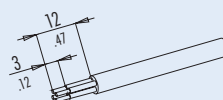
Einzelteildarstellung
Component part drawing

Kabelsteckverbinder, schirmbar, löten
Cable connector, shieldable, solder

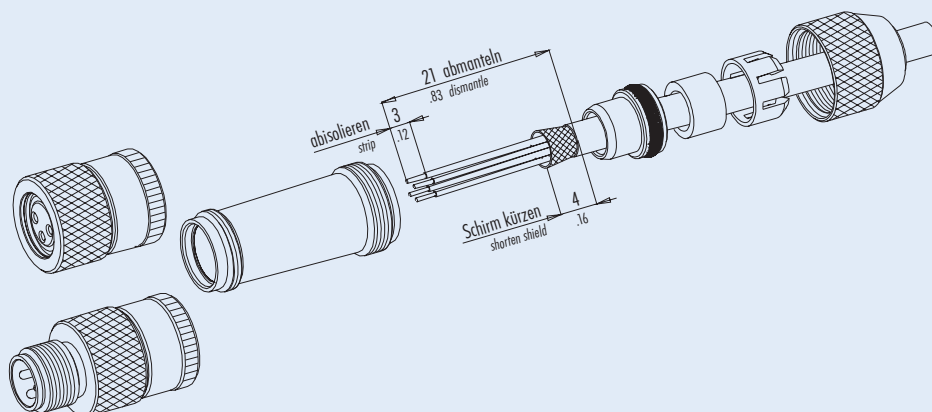


Montageanleitung
Assembly instruction

Kabelsteckverbinder
Cable connector



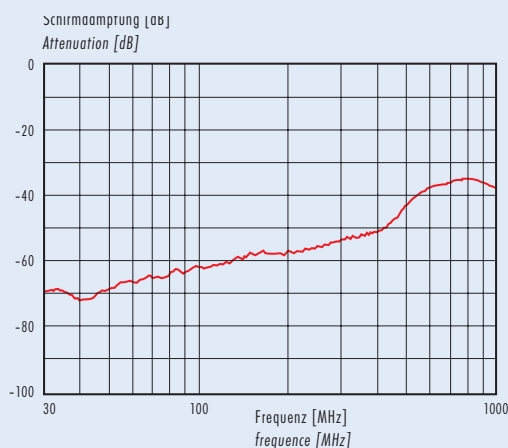
Kabelsteckverbinder, schirmbar
Cable connector, shieldable



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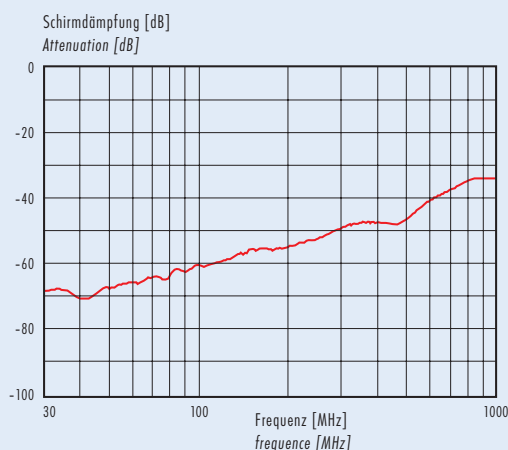
Schirmdämpfungskurve nach DIN 47250-6
für Kabelstecker, gerade Ausführung, schirmbar
(Kabeltyp IEEE 802.3)

*Attenuation curve according to DIN 47250-6
for straight male cable connectors, shieldable
(cable version IEEE 802.3)*



Schirmdämpfungskurve nach DIN 47250-6
für Kabeldose, gerade Ausführung
(Kabeltyp IEEE 802.3)

*Attenuation curve according to DIN 47250-6
for straight female cable connectors
(cable version IEEE 802.3)*



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