

## Sensorsteckverbinder Serie 713 · 763 Sensor connectors series 713 · 763

Bezeichnung  
Description

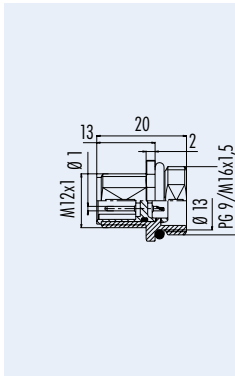
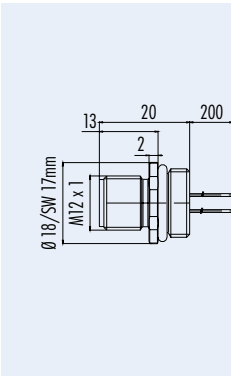
Flanschstecker mit Litzen, 0,25mm<sup>2</sup>  
Male socket with wires, 0,25mm<sup>2</sup>

Flanschstecker, löten  
Male socket, solder

Abbildung  
Figure



Maßzeichnung  
Drawing



Bestell-Nr.  
Ordering-No.

Polzahl Contacts	Befestigungsgewinde Fixing thread	Bestell-Nummer Ordering-Number	
4	PG 9	09-3431-00-04	RI
	M16 x 1,5	09-3431-700-04	RI
	PG 9 VA/stainless steel	09-3431-282-04	
	M16 x 1,5 VA/stainless steel	09-3431-828-04	
5	PG 9	09-3441-00-05	RI
	M16 x 1,5	09-3441-700-05	RI
	PG 9 VA/stainless steel	09-3441-282-05	
8	M16 x 1,5 VA/stainless steel	09-3441-828-05	
	PG 9	09-3481-00-08	
	M16 x 1,5	09-3481-700-08	
12	PG 9 VA/stainless steel	09-3481-282-08	
	PG 9	09-3491-00-12	
	M16 x 1,5	09-3491-700-12	

Polzahl Contacts	Befestigungsgewinde Fixing thread	Bestell-Nummer Ordering-Number
4	PG 9	09-3431-77-04
	M16 x 1,5	09-3431-578-04
5	PG 9	09-3441-77-05
	M16 x 1,5	09-3441-578-05
8	PG 9 (unmontiert/unmounted)	99-3481-77-08
	M16 x 1,5 (unmontiert/unmounted)	99-3481-578-08

Technische Daten  
Specifications

Polzahl	4	5	8	12	Number of contacts
Steckverbinder Verriegelung	schraub/screw				Connector locking system
Anschlussart	löten, Litzen/solder, wires				Termination
Anschlussquerschnitt	max. 0,25 mm <sup>2</sup> (max. AWG 24)		max. 0,14 mm <sup>2</sup> (max. AWG 26)		Wire gauge
Kabeldurchlass	-				Cable outlet
Schutzart	IP 68				Degree of protection
Mechanische Lebensdauer	> 100 Steckzyklen/> 100 mating cycles				Mechanical operation
Obere Grenztemperatur	+ 85 °C				Upper temperature
Untere Grenztemperatur	- 25 °C				Lower temperature
Bemessungsspannung	250 V	125 V	60 V	30 V	Rated voltage
Bemessungs-Stoßspannung	2500 V	1500 V	800 V	500 V	Rated impulse voltage
Verschmutzungsgrad	3				Pollution degree
Überspannungskategorie	II				Overvoltage categorie
Isolierstoffgruppe	II				Material group
Bemessungsstrom (40°C)	4 A		2 A	1 A	Rated current (40 °C)
Durchgangswiderstand	≤ 3 mΩ				Contact resistance
Material Kontakt	CuZn (Messing/brass)				Material of contact
Kontaktoberfläche	Au (Gold/gold)				Contact plating
Material Kontaktkörper	PA				Material of contact body
Material Gehäuse	Zink Druckguss vernickelt/Edelstahl/zinc diecasting nickel plated/stainless steel				Material of housing

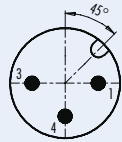
## Sensorsteckverbinder Serie 763 Sensor connectors series 763

Polbilder  
Contact arrangements

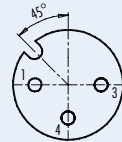
Stifteinsatz (Steckseite)  
Male insert (mating side)

Buchseinsatz (Steckseite)  
Female insert (mating side)

3 pol  
3 contacts

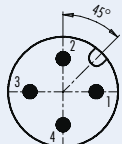


- 1 braun/brown
- 3 blau/blue
- 4 schwarz/black

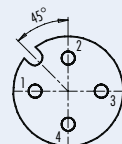


- 1 braun/brown
- 3 blau/blue
- 4 schwarz/black

4 pol  
4 contacts

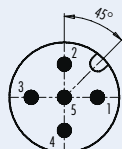


- 1 braun/brown
- 2 weiß/white
- 3 blau/blue
- 4 schwarz/black

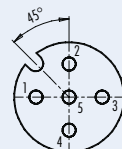


- 1 braun/brown
- 2 weiß/white
- 3 blau/blue
- 4 schwarz/black

5 pol  
5 contacts

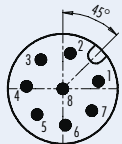


- 1 braun/brown
- 2 weiß/white
- 3 blau/blue
- 4 schwarz/black
- 5 grau/grey

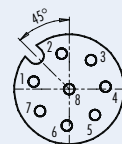


- 1 braun/brown
- 2 weiß/white
- 3 blau/blue
- 4 schwarz/black
- 5 grau/grey

8 pol  
8 contacts

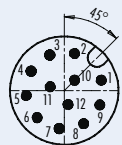


- | geschirmt/<br>shielded | nicht geschirmt/<br>not shielded |
|------------------------|----------------------------------|
| 1 weiß/white           | 1 weiß/white                     |
| 2 braun/brown          | 2 braun/brown                    |
| 3 grün/green           | 3 grün/green                     |
| 4 gelb/yellow          | 4 gelb/yellow                    |
| 5 grau/grey            | 5 grau/grey                      |
| 6 rosa/pink            | 6 rosa/pink                      |
| 7 blau/blue            | 7 blau/blue                      |
| 8 rot/red              | 8 Schirm/shield                  |
- Gehäuse-Schirm/  
Housing-shield

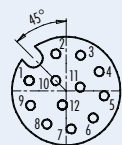


- | geschirmt/<br>shielded | nicht geschirmt/<br>not shielded |
|------------------------|----------------------------------|
| 1 weiß/white           | 1 weiß/white                     |
| 2 braun/brown          | 2 braun/brown                    |
| 3 grün/green           | 3 grün/green                     |
| 4 gelb/yellow          | 4 gelb/yellow                    |
| 5 grau/grey            | 5 grau/grey                      |
| 6 rosa/pink            | 6 rosa/pink                      |
| 7 blau/blue            | 7 blau/blue                      |
| 8 rot/red              | 8 Schirm/shield                  |
- Gehäuse-Schirm/  
Housing-shield

12 pol  
12 contacts



- 1 braun/brown
- 2 blau/blue
- 3 weiß/white
- 4 grün/green
- 5 rosa/pink
- 6 gelb/yellow
- 7 schwarz/black
- 8 grau/grey
- 9 rot/red
- 10 violett/purple
- 11 grau/rosa/grey/pink
- 12 rot/blau/red/blue

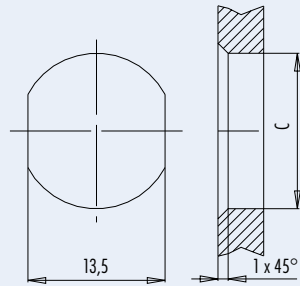


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- 3 weiß/white
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- 5 rosa/pink
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- 7 schwarz/black
- 8 grau/grey
- 9 rot/red
- 10 violett/purple
- 11 grau/rosa/grey/pink
- 12 rot/blau/red/blue

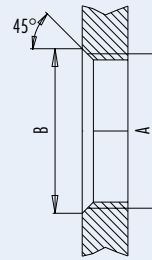
**Sensorsteckverbinder Serie 713 · 763**  
**Sensor connectors series 713 · 763**

**Montageausschnitt**  
**Panel cut out**

Mit Durchgangsbohrung/With bore hole



Mit Gewinde, einschraubbar/With thread to screw in



	A	B	C
PG9	PG9	16,2	15,3
M16	M16	17,0	16,1

Anzugsdrehmoment nach DIN VDE 0619  
 Tightening moment acc. to DIN VDE 0619

Metallgehäuse/Metal housing 6,25 Nm  
 Kunststoffgehäuse/Plastic housing 3,75 Nm

alternativ/alternativ

**Kennlinie**  
**Rating**

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

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

