



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# C 091 A/B/D Series

## Circular Connectors



# Note from the CEO



**Ladies and Gentlemen,**

For over 75 years Amphenol has enjoyed success as the interconnection technology provider of choice to industry-leading companies around the world. One of our key strategic areas of focus has been and is the Industrial market. Our organization works with leading manufacturers across a wide range of applications - including Energy Generation & Distribution, Transportation, Heavy Equipment, Factory Automation, Wireless Outdoor, ChipCard Readers - enabling smarter, faster and better technologies to connect products to customer solutions.

The Industrial market footprint of Amphenol covers over facilities in more than 12 different European countries and more than 30 countries worldwide. Our successful expansion into new regions as well as new industrial applications is a direct reflection of our agile, entrepreneurial management team and our unwavering commitment to execute Amphenol's strategies for the benefit of our customers, shareholders and employees.

Thank you for partnering with Amphenol. Our entire organization is at your service.

A handwritten signature in black ink, appearing to read 'R. Adam Norwitt'. The signature is fluid and stylized, with a large initial 'R'.

R. Adam Norwitt  
President and CEO, Amphenol Corporation

# Make use of the best

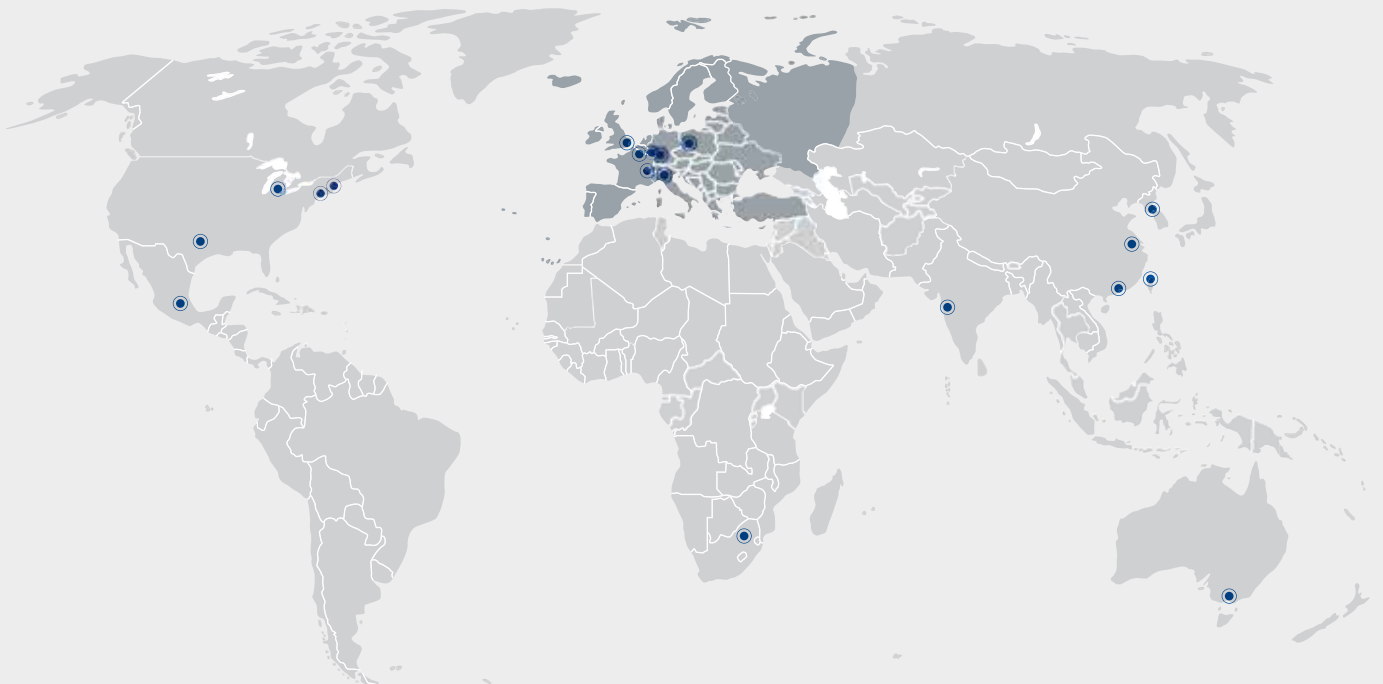
## Use our global resources

“Think global, act local!” Independently from where you are in Europe, we offer you our global expertise and great variety of products and technologies. And in comfort with your personal contact. Our numerous European offices are your access to our global resources.

### ● OUR OFFICES IN EUROPE AND WORLDWIDE

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FRANCE	CHINA	AUSTRALIA	SOUTH AFRICA
GERMANY	KOREA	MEXICO	INDIA
UNITED KINGDOM	TAIWAN	USA	ITALY





SECURITY, RELIABILITY AND COMFORTABLE SERVICE FROM ONE SOURCE.

# More time for important things: benefit from our service and diversity

Enjoy security, reliability and comfortable service from one source. INDUSTRIAL@AMPHENOL offers one of the most individual and most diversified service programmes in the market – exclusively for industrial customers. Access all possibilities of the Amphenol group through your personal expert adviser.



## WIDE PRODUCT RANGE

Take advantage of a choice of Amphenol products. Our broad product portfolio offers individual solutions from more than 85 member companies in the global Amphenol group.



## EXCLUSIVENESS AND FLEXIBILITY

One face to the customer: every inquiry is handled on an individual service level by your personal key account service partner. This ensures maximum transparency and best-in-class flexibility in the whole process.



## QUALITY

Interconnect systems need reliability, speed and flawless data transmission. We continuously test and guarantee the required standard in our products – and also in our personal services.



## INDIVIDUAL SOLUTIONS

Your project requires an individual solution that is not available off-the-shelf? As your think tank and discussion partner we provide engineering support and solution-oriented development for your tailor-made Amphenol product.



## SPEED AND AVAILABILITY

Smart and intelligent processes are the secret behind our service programme. Flexible planning and distribution, perfect logistics and highest availability are our key factors for best customer service.



## GLOBAL KEY ACCOUNT SERVICE

Our key account service is your individual entrance to global know-how, products and services. More than 85 Amphenol companies around the world offer an extensive range of technologies and products. We offer access to our worldwide resources through one individual contact person.



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










## C 091 A

- Screw locking according to IEC 61076-2-106
- Metal locking ring
- 2 - 8, 12 and 14 positions for crimp and solder
- IP 40
- Internal strain relief
- Male and female cable connectors straight and angled
- Male and female receptacles for front and rear panel mounting and PCB mounting
- Coloured back shells optional
- UL registered under file number E 63 093 UL

## C 091 A Characteristics

General Characteristics	Standard	Characteristics											
Number of contacts		2 <sup>1)</sup> + 3	4	5	5 Stereo	6	7	7	8	12	14		
View on termination side of male contact insert													
Contact arrangement	DIN EN 61076-2-106	03-a ✓	04-a ✓	05-a ✓	05-b ✓	06-a ✓	07-a ✓	07-b ✓	08-a ✓	12-a ✓	14-a ✓		
Contact arrangement	IEC 60130-9 <sup>2)</sup>	✓	✓		✓	✓		✓	✓				
Electrical Characteristics													
Rated voltage <sup>3)</sup>	IEC 60664-1	300 V ≈ (100 V ≈)		300 V ≈ (63 V ≈)		100 V ≈ (32 V ≈)		300 V ≈ (63 V ≈)		100 V ≈ (32 V ≈)		150 V ≈ (32 V ≈)	
Rated voltage	UL 1977	250 V									60 V		
Rated impulse withstand voltage <sup>3)</sup>	IEC 60664-1	1500 V (840 V)			1200 V (500 V)		1500 V (840 V)			1200 V (500 V)			
Pollution degree <sup>3)</sup>	IEC 60664-1	1 (2)											
Installation category	IEC 60664-1	I											
Insulation group	IEC 60664-1	II, 400 ≤ CTI < 600											
Current rating	IEC 60512-5-2 UL 1977	5 A / + 40 °C / + 104 °F please refer also to current derating curves page 59									3 A / + 40 °C / + 104 °F		
Insulation resistance	IEC 60512-3-1	> 10 <sup>10</sup> Ω <sup>4)</sup>											
Contact resistance	IEC 60512-2-1	< 5 m Ω											
Climatic Characteristics													
Climatic category	IEC 60068-1	40 / 100 / 56											
Temperature range	IEC 60068-1	- 40 °C ... + 100 °C / - 40 °F ... + 212 °F											
Mechanical Characteristics													
IP-degree	IEC 60529	IP 40											
Insertion and withdrawal forces	IEC 60512-13-2	25 N 90.oz	30 N 110.oz	35 N 125.oz	50 N 180.oz	55 N 200.oz	60 N 220.oz	50 N 180.oz					
Mechanical operation	IEC 60512-9-1	Silver ≥ 500 mating cycles Gold ≥ 1000 mating cycles											
Materials													
Housing material		coupling ring brass, strain relief, die cast, nickel plated											
Dielectric material		thermoplastic											
Contact plating		silver plated / gold plated <sup>5)</sup>											
Further Characteristics													
Termination technique		solder, crimp											
Wire gauge		solder: ≤ 0,5 mm <sup>2</sup> / 20 AWG crimp: 2 - 6 pol (excluding 5S): 0,09 - 1,00 mm <sup>2</sup> / 28 - 18 AWG crimp: 5S, 7, 7S and 8-pol.: 0,09 - 0,75 mm <sup>2</sup> / 28 - 20 AWG									solder: ≤ 0,25 mm <sup>2</sup> / 24 AWG crimp: 0,09-0,25 mm <sup>2</sup> / 28 - 24 AWG		
Flammability		UL 94 V0											
Locking system	IEC 60130-9 DIN EN 61076-2-106	metal screw coupling; tightening torque 0,7 Nm											

**Caution:** Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.

<sup>1)</sup> 2 contact version: contact loading 1+3

<sup>2)</sup> Edition 2000-05

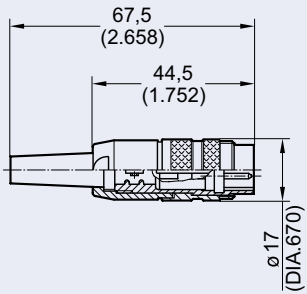

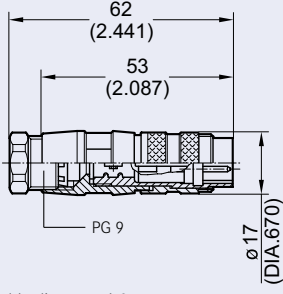

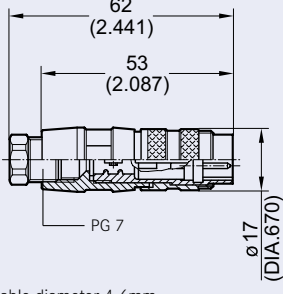

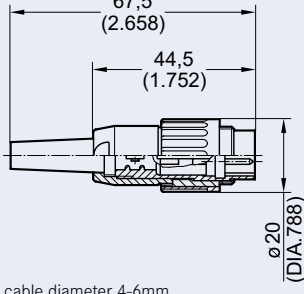

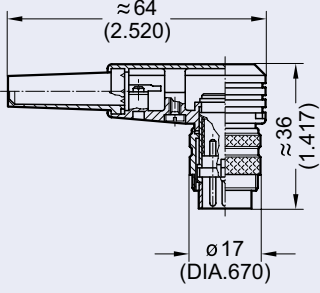

<sup>3)</sup> values in brackets are according to DIN EN 61076-2-106

<sup>4)</sup> under operating conditions >10<sup>8</sup> Ω

<sup>5)</sup> Remark for gold plated contacts: In order to avoid brittle inter-metallic connections, gold-plated terminals have to be tin-plated in the solder area.

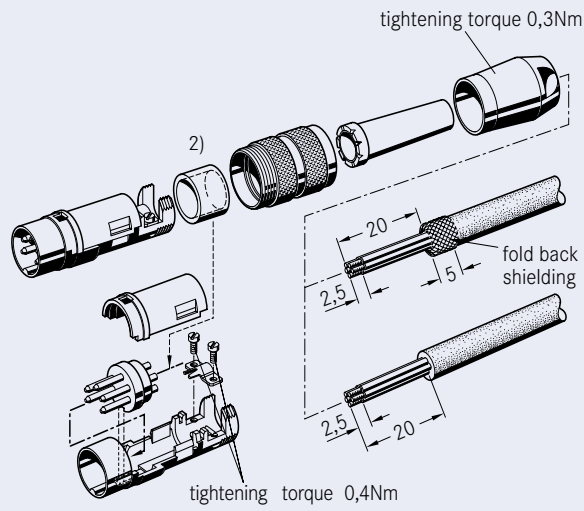
IEC 60 664 ≙ DIN VDE 0110; IEC 60 512-x ≙ DIN EN 60 512-x; IEC 60 130-9 ≙ DIN EN 60 130-9; IEC 61076-2-106 ≙ DIN EN 61076-2-106

# C 091 A Male cable connector

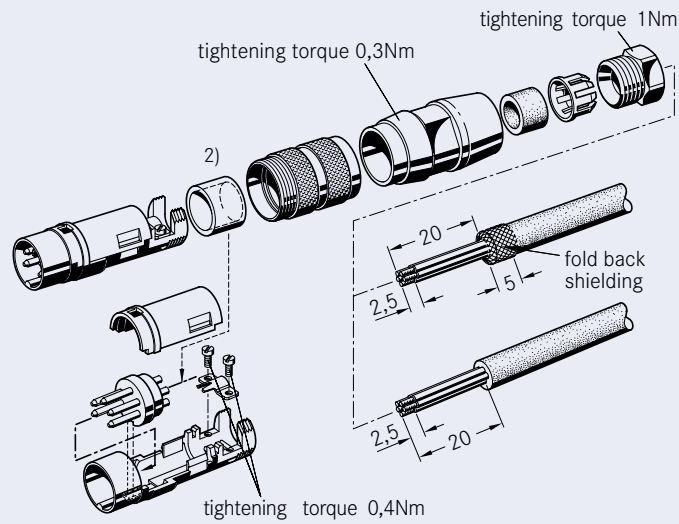
No. of cont.	Part Number solder termination		Part Number crimp termination	Drawing	Figure		
	silver plating	gold plating <sup>1)</sup>					
<b>Straight</b> (Please order crimp contacts separately, see page 56)							
2	T 3200 001	T 3200 018		 <p>for cable diameter 4-6mm</p>			
3	T 3260 001	T 3260 018	T 3260 551				
4	T 3300 001	T 3300 018	T 3300 551				
5	T 3360 001	T 3360 018	T 3360 551				
5S <sup>2)</sup>	T 3360 010	T 3356 018 <sup>3)</sup>	T 3356 551				
6	T 3400 001	T 3400 018	T 3400 551				
7	T 3475 001	T 3475 018	T 3475 551				
7 <sup>2)</sup>	T 3484 001	T 3484 018 <sup>3)</sup>	T 3484 551				
8	T 3504 001	T 3504 018	T 3504 551				
12	T 3635 001	T 3635 000	T 3635 551 <sup>3)</sup>				
14	T 3650 001	T 3650 000	T 3650 551 <sup>3)</sup>				
2	T 3200 002	T 3200 028				 <p>for cable diameter 6-8mm</p>	
3	T 3260 002	T 3260 028	T 3260 552				
4	T 3300 002	T 3300 028	T 3300 552				
5	T 3360 002	T 3360 028	T 3360 552				
5S <sup>2)</sup>	T 3360 020	T 3356 028 <sup>3)</sup>	T 3356 552 <sup>3)</sup>				
6	T 3400 002	T 3400 028	T 3400 552				
7	T 3475 002	T 3475 028	T 3475 552				
7 <sup>2)</sup>	T 3484 002	T 3484 028 <sup>3)</sup>	T 3484 552				
8	T 3504 002	T 3504 028	T 3504 552				
12	T 3635 002	T 3635 002	T 3635 552 <sup>3)</sup>				
14	T 3650 002	T 3650 002	T 3650 552 <sup>3)</sup>				
2	T 3200 004	T 3200 048 <sup>3)</sup>		 <p>for cable diameter 4-6mm</p>			
3	T 3260 004	T 3260 048 <sup>3)</sup>	T 3260 554 <sup>3)</sup>				
4	T 3300 004	T 3300 048 <sup>3)</sup>	T 3300 554 <sup>3)</sup>				
5	T 3360 004	T 3360 048	T 3360 554 <sup>3)</sup>				
5S <sup>2)</sup>	T 3356 004 <sup>3)</sup>	T 3356 048 <sup>3)</sup>	T 3356 554				
6	T 3400 004	T 3400 048 <sup>3)</sup>	T 3400 554 <sup>3)</sup>				
7	T 3475 004	T 3475 048 <sup>3)</sup>	T 3475 554 <sup>3)</sup>				
7 <sup>2)</sup>	T 3484 004 <sup>3)</sup>	T 3484 048 <sup>3)</sup>	T 3484 554 <sup>3)</sup>				
8	T 3504 004	T 3504 048 <sup>3)</sup>	T 3504 554				
12	T 3635 004	T 3635 004	T 3635 554 <sup>3)</sup>				
14	T 3650 004 <sup>3)</sup>	T 3650 004 <sup>3)</sup>	T 3650 554 <sup>3)</sup>				
2	T 3200 013 <sup>3)</sup>			 <p>for cable diameter 4-6mm</p>			
3	T 3260 013						
4	T 3300 013						
5	T 3360 013						
5S <sup>2)</sup>	T 3360 130						
6	T 3400 013	T 3400 038					
7	T 3475 013 <sup>3)</sup>	T 3475 038 <sup>3)</sup>					
7 <sup>2)</sup>	T 3484 013 <sup>3)</sup>						
8	T 3504 013						
12							
14							
<b>Right-angled</b> (Please order crimp contacts separately, see page 56)							
2	T 3200 005			 <p>for cable diameter 4-6mm</p>			
3	T 3260 005	T 3260 058 <sup>3)</sup>	T 3260 055				
4	T 3300 005	T 3300 058 <sup>3)</sup>	T 3300 055 <sup>3)</sup>				
5	T 3360 005	T 3360 058	T 3360 055				
5S <sup>2)</sup>	T 3356 005	T 3356 058 <sup>3)</sup>	T 3356 055 <sup>3)</sup>				
6	T 3400 005	T 3400 058	T 3400 055 <sup>3)</sup>				
7	T 3475 005	T 3475 058 <sup>3)</sup>	T 3475 055 <sup>3)</sup>				
7 <sup>2)</sup>	T 3484 005	T 3484 058 <sup>3)</sup>	T 3484 055 <sup>3)</sup>				
8	T 3504 005	T 3504 058 <sup>3)</sup>	T 3504 055				
12	T 3635 005	T 3635 058	T 3635 055 <sup>3)</sup>				
14	T 3650 005	T 3650 058	T 3650 055 <sup>3)</sup>				

## C 091 A Male cable connector

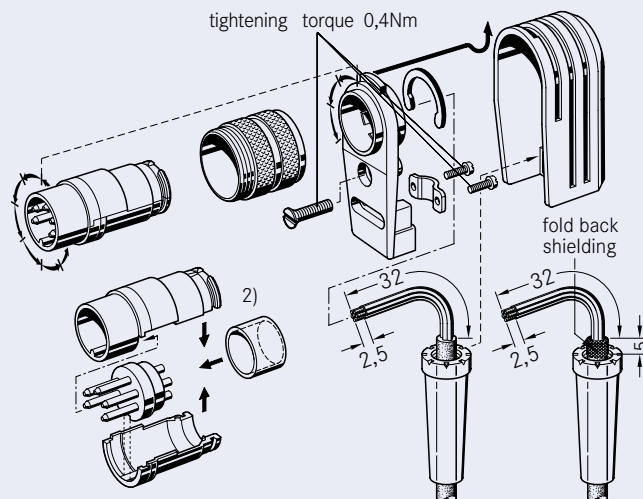
### Assembly instruction<sup>1)</sup>, cable diameter 4-6mm



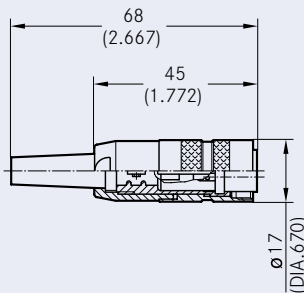

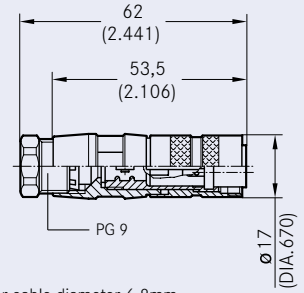

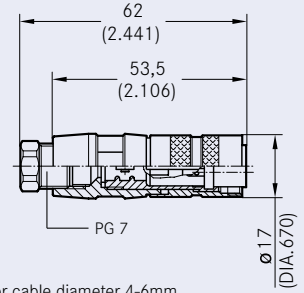

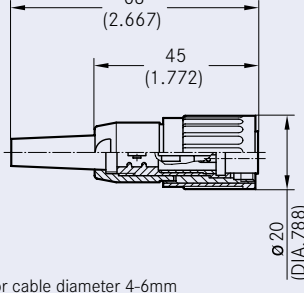

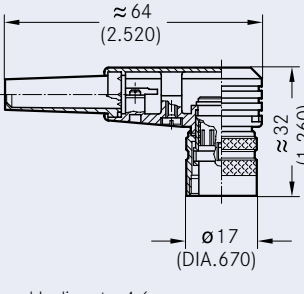

### Assembly instruction<sup>1)</sup>, cable diameter 4-6mm or 6-8mm



### Assembly instruction<sup>1)</sup>, right-angled, can be keyed to 8 angle positions

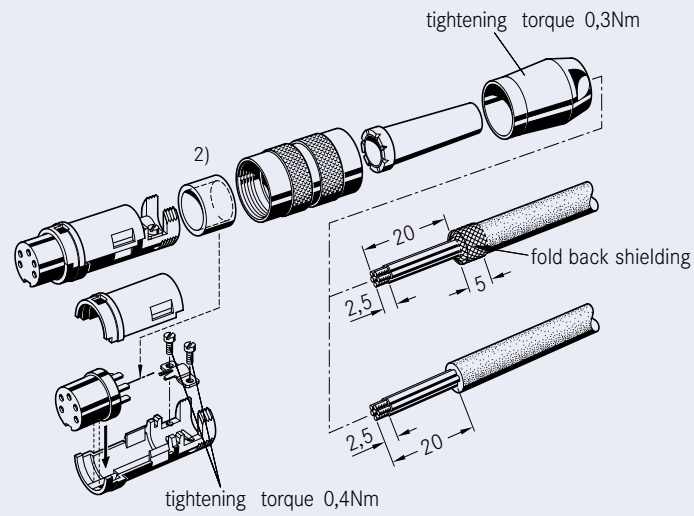


# C 091 A Female cable connector

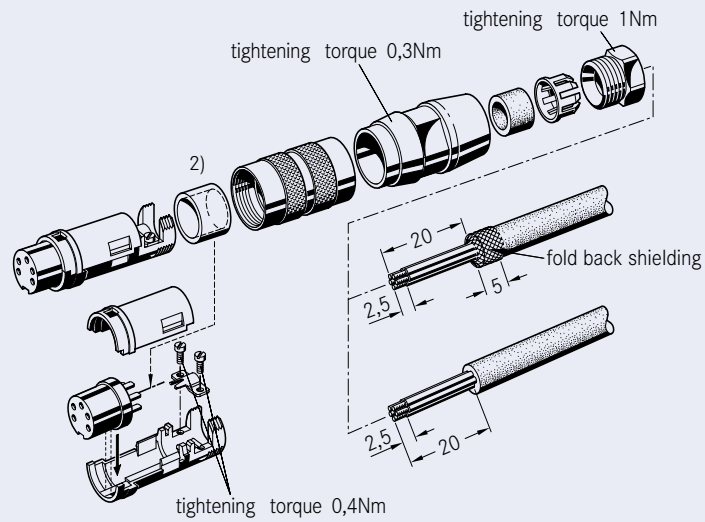
No. of cont.	Part Number solder termination		Part Number crimp termination	Drawing	Figure		
	silver plating	gold plating <sup>1)</sup>					
<b>Straight</b> (Please order crimp contacts separately, see page 56)							
2	T 3201 001	T 3201 018 <sup>3)</sup>		 <p>for cable diameter 4-6mm</p>			
3	T 3261 001	T 3261 018	T 3261 551				
4	T 3301 001	T 3301 018 <sup>3)</sup>	T 3301 551				
5	T 3361 001	T 3361 018	T 3361 551				
5S <sup>2)</sup>	T 3361 010	T 3357 018 <sup>3)</sup>	T 3357 551				
6	T 3401 001	T 3401 018	T 3401 551				
7	T 3476 001	T 3476 018	T 3476 551				
7 <sup>2)</sup>	T 3485 001	T 3485 018 <sup>3)</sup>	T 3485 551				
8	T 3505 001	T 3505 018	T 3505 551				
12	T 3636 001	T 3636 000	T 3636 551 <sup>3)</sup>				
14	T 3651 001	T 3651 000	T 3651 551 <sup>3)</sup>				
2	T 3201 002	T 3201 028				 <p>for cable diameter 6-8mm</p>	
3	T 3261 002	T 3261 028	T 3261 552 <sup>3)</sup>				
4	T 3301 002	T 3301 028 <sup>3)</sup>	T 3301 552 <sup>3)</sup>				
5	T 3361 002	T 3361 028	T 3361 552				
5S <sup>2)</sup>	T 3361 020	T 3357 028 <sup>3)</sup>	T 3357 552 <sup>3)</sup>				
6	T 3401 002	T 3401 028	T 3401 552 <sup>3)</sup>				
7	T 3476 002	T 3476 028 <sup>3)</sup>	T 3476 552				
7 <sup>2)</sup>	T 3485 002	T 3485 028 <sup>3)</sup>	T 3485 552 <sup>3)</sup>				
8	T 3505 002	T 3505 028	T 3505 552 <sup>3)</sup>				
12	-	T 3636 002	T 3636 552 <sup>3)</sup>				
14	-	T 3651 002	T 3651 552 <sup>3)</sup>				
2				 <p>for cable diameter 4-6mm</p>			
3	T 3261 004 <sup>3)</sup>	T 3261 048 <sup>3)</sup>	T 3261 554 <sup>3)</sup>				
4	T 3301 004	T 3301 048 <sup>3)</sup>	T 3301 554				
5	T 3361 004	T 3361 048 <sup>3)</sup>	T 3361 554 <sup>3)</sup>				
5S <sup>2)</sup>	T 3357 004 <sup>3)</sup>	T 3357 048 <sup>3)</sup>	T 3357 554				
6	T 3401 004	T 3401 048 <sup>3)</sup>	T 3401 554 <sup>3)</sup>				
7	T 3476 004 <sup>3)</sup>	T 3476 048 <sup>3)</sup>	T 3476 554 <sup>3)</sup>				
7 <sup>2)</sup>	T 3485 004 <sup>3)</sup>	T 3485 048 <sup>3)</sup>	T 3485 554 <sup>3)</sup>				
8	T 3505 004	T 3505 048 <sup>3)</sup>	T 3505 554				
12		T 3636 004 <sup>3)</sup>	T 3636 554 <sup>3)</sup>				
14		T 3651 004	T 3651 554 <sup>3)</sup>				
2	T 3201 013 <sup>3)</sup>					 <p>for cable diameter 4-6mm</p>	
3	T 3261 013						
4	T 3301 013 <sup>3)</sup>						
5	T 3361 013						
5S <sup>2)</sup>	T 3361 130						
6	T 3401 013 <sup>3)</sup>	T 3476 038					
7	T 3476 013						
7 <sup>2)</sup>	T 3485 013 <sup>3)</sup>						
8	T 3505 013						
12	T 3636 013						
14							
<b>Right-angled</b> (Please order crimp contacts separately, see page 56)							
2	T 3201 005 <sup>3)</sup>			 <p>for cable diameter 4-6mm</p>			
3	T 3261 005	T 3261 058 <sup>3)</sup>	T 3261 055 <sup>3)</sup>				
4	T 3301 005	T 3301 058 <sup>3)</sup>	T 3301 055 <sup>3)</sup>				
5	T 3361 005	T 3361 058 <sup>3)</sup>	T 3361 055				
5S <sup>2)</sup>	T 3357 005	T 3357 058 <sup>3)</sup>	T 3357 055 <sup>3)</sup>				
6	T 3401 005	T 3401 058	T 3401 055				
7	T 3476 005	T 3476 058 <sup>3)</sup>	T 3476 055 <sup>3)</sup>				
7 <sup>2)</sup>	T 3485 005	T 3485 058 <sup>3)</sup>	T 3485 055				
8	T 3505 005	T 3505 058 <sup>3)</sup>	T 3505 055				
12	T 3636 005	T 3636 058	T 3636 055 <sup>3)</sup>				
14	T 3651 005	T 3651 058 <sup>3)</sup>	T 3651 055 <sup>3)</sup>				

## C 091 A Female cable connector

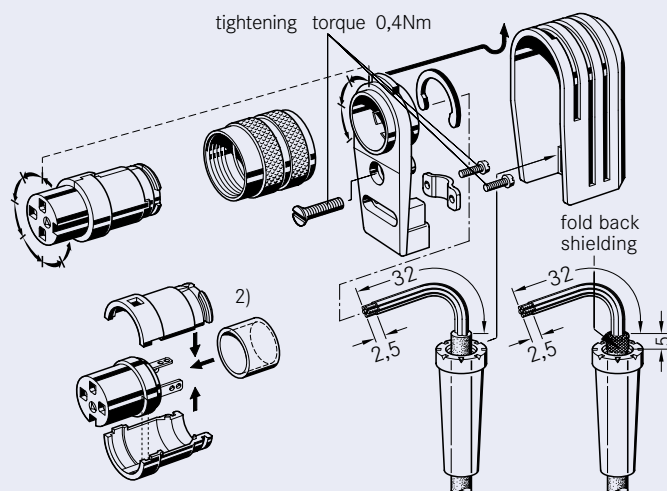
### Assembly instruction<sup>1)</sup>, cable diameter 4-6mm



### Assembly instruction<sup>1)</sup>, cable diameter 4-6mm or 6-8mm



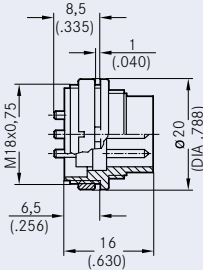
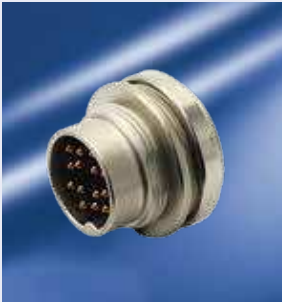
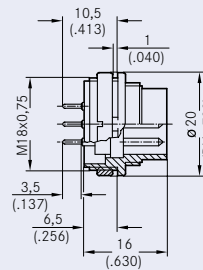
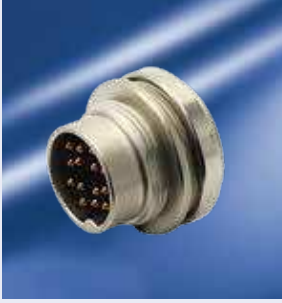
### Assembly instruction<sup>1)</sup>, right-angled, can be keyed to 8 angle positions



# C 091 A Male receptacle | front mounting

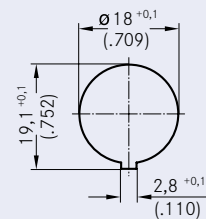
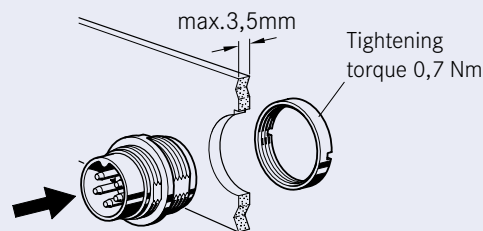
No. of cont.	Part Number		Part Number crimp termination	Drawing	Figure
	silver plating	gold plating <sup>1)</sup>			

**Ring Nut (Hex nut on request) (Please order crimp contacts separately, see page 56)**

2	T 3202 000	T 3202 018		 <p>termination: solder or crimp</p>			
3	T 3262 000	T 3262 018	T 3262 550 <sup>3)</sup>				
4	T 3302 000	T 3302 018	T 3302 550 <sup>3)</sup>				
5	T 3362 000	T 3362 018	T 3362 550 <sup>3)</sup>				
5S <sup>2)</sup>	T 3362 010	T 3358 018 <sup>3)</sup>	T 3358 550 <sup>3)</sup>				
6	T 3402 000	T 3402 018	T 3402 550				
7	T 3477 000	T 3477 018	T 3477 550				
7 <sup>2)</sup>	T 3486 000	T 3486 018 <sup>3)</sup>	T 3486 550 <sup>3)</sup>				
8	T 3506 000	T 3506 018 <sup>3)</sup>	T 3506 550 <sup>3)</sup>				
12	T 3637 001	T 3637 000	T 3637 550 <sup>3)</sup>				
14	T 3652 001 <sup>3)</sup>	T 3652 000	T 3652 550 <sup>3)</sup>				
2	T 3262 300 <sup>3)</sup>					 <p>pin length 10.5 mm from flange termination: straight dip solder</p>	
3	T 3302 300 <sup>3)</sup>						
4	T 3362 300 <sup>3)</sup>						
5	T 3362 300 <sup>3)</sup>						
5S <sup>2)</sup>	T 3358 300 <sup>3)</sup>						
6	T 3402 300 <sup>3)</sup>						
7	T 3477 300 <sup>3)</sup>						
7 <sup>2)</sup>	T 3486 300 <sup>3)</sup>						
8	T 3506 300 <sup>3)</sup>						
12		T 3637 304 <sup>3)</sup>					
14		T 3652 304 <sup>3)</sup>					

## Assembly instruction<sup>4)</sup>

## Panel cutout

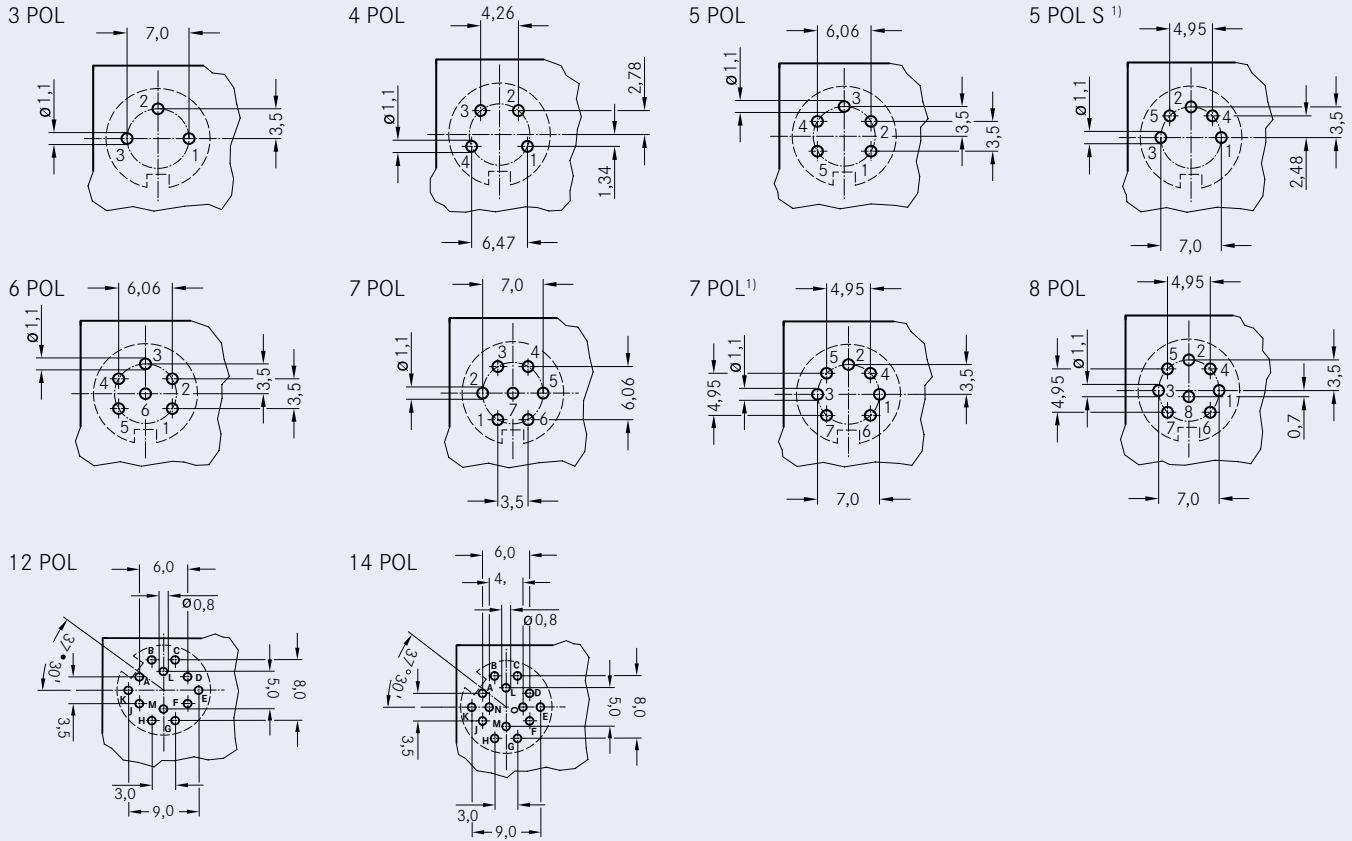






## PCB-Layout (components side of circuit board)

### Male Receptacles | front mounting | rear mounting | straight



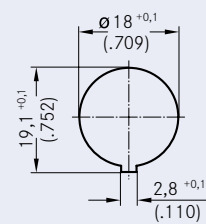
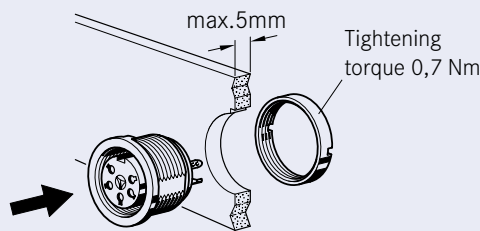


# C 091 A Female receptacle | front mounting

No. of cont.	Part Number		Part Number crimp termination	Drawing	Figure			
	silver plating	gold plating <sup>1)</sup>						
<b>Ring Nut (Hex nut on request) (Please order crimp contacts separately, see page 56)</b>								
2	T 3203 000	T 3203 018		<p>*Measure 12- and 14-pol.=14±0,3 termination: solder or crimp</p>				
3	T 3263 000	T 3263 018	T 3263 550					
4	T 3303 000	T 3303 018	T 3303 550					
5	T 3363 000	T 3363 018	T 3363 550					
5S <sup>2)</sup>	T 3363 010	T 3359 018	T 3359 550 <sup>3)</sup>					
6	T 3403 000	T 3403 018	T 3403 550					
7	T 3478 000	T 3478 018	T 3478 550					
7 <sup>2)</sup>	T 3487 000	T 3487 018 <sup>3)</sup>	T 3487 550					
8	T 3507 000	T 3507 018	T 3507 550 <sup>3)</sup>					
12	T 3638 000	T 3638 004	T 3638 550 <sup>3)</sup>					
14	T 3653 000	T 3653 004	T 3653 550 <sup>3)</sup>					
2	T 3263 300 <sup>3)</sup> T 3303 300 <sup>3)</sup> T 3363 300 T 3359 300 T 3403 300 T 3478 300 T 3487 300 T 3507 300  T 3638 304 <sup>3)</sup> T 3653 304 <sup>3)</sup>					<p>pin length 15 mm from flange termination: straight dip solder</p>		
3								
4								
5								
5S <sup>2)</sup>								
6								
7								
7 <sup>2)</sup>								
8								
12								
14								
2		T 3263 320 <sup>3)</sup> T 3303 320 T 3363 320 T 3359 320 <sup>3)</sup> T 3403 320 T 3478 320 T 3487 320 <sup>3)</sup> T 3507 320 <sup>3)</sup>			<p>pin length 19 mm from flange termination: straight dip solder</p>			
3								
4								
5								
5S <sup>2)</sup>								
6								
7								
7 <sup>2)</sup>								
8								
12								
14								
2	T 3263 330 <sup>3)</sup> T 3303 330 <sup>3)</sup> T 3363 330 <sup>3)</sup> T 3359 330 <sup>3)</sup> T 3403 330 T 3478 330 <sup>3)</sup> T 3487 330 <sup>3)</sup> T 3507 330 <sup>3)</sup>					<p>pin length 24 mm from flange termination: straight dip solder</p>		
3								
4								
5								
5S <sup>2)</sup>								
6								
7								
7 <sup>2)</sup>								
8								
12								
14								

## Assembly instruction<sup>4)</sup>

## Panel cutout

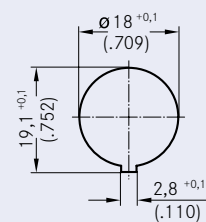
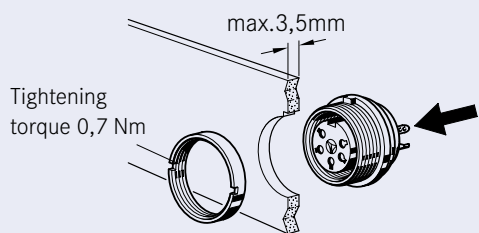


# C 091 A Female receptacle | rear mounting

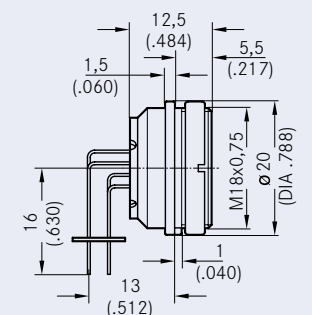

No. of cont.	Part Number		Part Number crimp termination	Drawing	Figure		
	solder plating	gold plating <sup>1)</sup>					
<b>Ring Nut (Hex nut on request) (Please order crimp contacts separately, see page 56)</b>							
2	T 3203 100			<p>*Measure 12- and 14-pol.=10±0,3 termination: solder or crimp</p>			
3	T 3263 100	T 3263 118 <sup>3)</sup>	T 3263 150 <sup>3)</sup>				
4	T 3303 100	T 3303 118 <sup>3)</sup>	T 3303 150 <sup>3)</sup>				
5	T 3363 100	T 3363 118 <sup>3)</sup>	T 3363 150				
5S <sup>2)</sup>	T 3359 100	T 3359 118 <sup>3)</sup>	T 3359 150				
6	T 3403 100	T 3403 118 <sup>3)</sup>	T 3403 150				
7	T 3478 100	T 3478 118 <sup>3)</sup>	T 3478 150				
7 <sup>2)</sup>	T 3487 100	T 3487 118 <sup>3)</sup>	T 3487 150 <sup>3)</sup>				
8	T 3507 100	T 3507 118 <sup>3)</sup>	T 3507 150				
12	T 3638 100	T 3638 118 <sup>3)</sup>	T 3638 150 <sup>3)</sup>				
14	T 3653 100	T 3653 118	T 3653 150 <sup>3)</sup>				
2	T 3203 400					<p>pin length 10.5 mm from flange termination: straight dip solder</p>	
3	T 3263 400						
4	T 3303 400						
5	T 3363 400	T 3363 404 <sup>3)</sup>					
5S <sup>2)</sup>	T 3359 400						
6	T 3403 400						
7	T 3478 400	T 3478 404 <sup>3)</sup>					
7 <sup>2)</sup>	T 3487 400						
8	T 3507 400	T 3507 404					
12		T 3638 404					
14		T 3653 404					
2				<p>pin length 14.5 mm from flange termination: straight dip solder</p>			
3	T 3263 420 <sup>3)</sup>						
4	T 3303 420						
5	T 3363 420						
5S <sup>2)</sup>	T 3359 420						
6	T 3403 420						
7	T 3478 420						
7 <sup>2)</sup>	T 3487 420 <sup>3)</sup>						
8	T 3507 420						
12							
14							
2				<p>pin length 19.5 mm from flange termination: straight dip solder</p>			
3	T 3263 430	T 3263 434					
4	T 3303 430	T 3303 434					
5	T 3363 430	T 3363 434					
5S <sup>2)</sup>	T 3359 430 <sup>3)</sup>						
6	T 3403 430	T 3403 434					
7	T 3478 430	T 3478 434					
7 <sup>2)</sup>	T 3487 430 <sup>3)</sup>						
8	T 3507 430						
12							
14							

## Assembly instruction <sup>4)</sup>

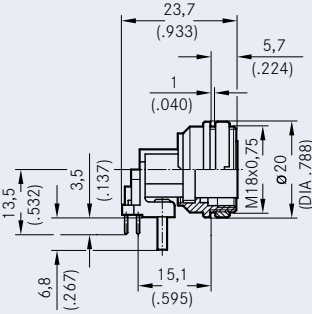

## Panel cutout



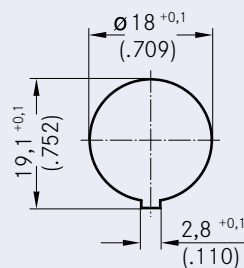
## C 091 A Female receptacle | 90° | rear mounting

No. of cont.	Part Number solder termination		Part Number crimp termination	Drawing	Figure
	silver plating	gold plating <sup>1)</sup>			
Right-angled   Ring Nut (Hex nut on request)			(Please order crimp contacts separately, see page 56)		
2					
3					
4					
5		T 3363 902			
5S <sup>2)</sup>		T 3403 902			
6					
7					
7 <sup>2)</sup>					
8					
12					
14					

## C 091 A Female receptacle | 90° | PCB mounting

No. of cont.	Part Number solder termination		Part Number crimp termination	Drawing	Figure
	silver plating	gold plating <sup>1)</sup>			
Right-angled   Ring Nut (Hex nut on request)			(Please order crimp contacts separately, see page 56)		
2	T 3263 900				
3					
4					
5					
5S <sup>2)</sup>	T 3359 900				
6					
7					
7 <sup>2)</sup>	T 3487 900	T3507 902			
8	T 3507 900				
12					
14					

## Panel cutout <sup>4)</sup> | Female receptacle | 90° | rear mounting | PCB mounting



# C 091 A Female receptacle | 90° | PCB flange mounting

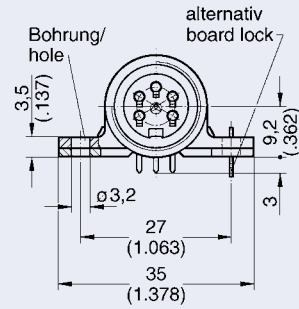
No. of cont.	Part Number		Part Number crimp termination	Drawing	Figure
	silver plating	gold plating <sup>1)</sup>			

## Right-angled

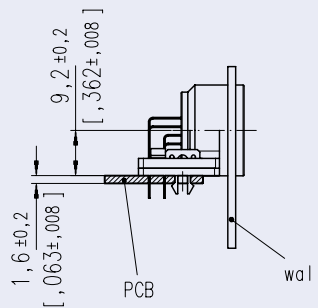
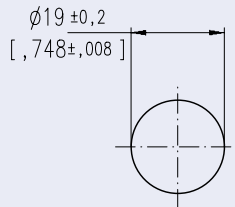
(Please order crimp contacts separately, see page 56)

2  
3  
4  
5  
5S<sup>2)</sup>  
6  
7  
7<sup>2)</sup>  
8  
12  
14

T 3363 218  
T 3403 218



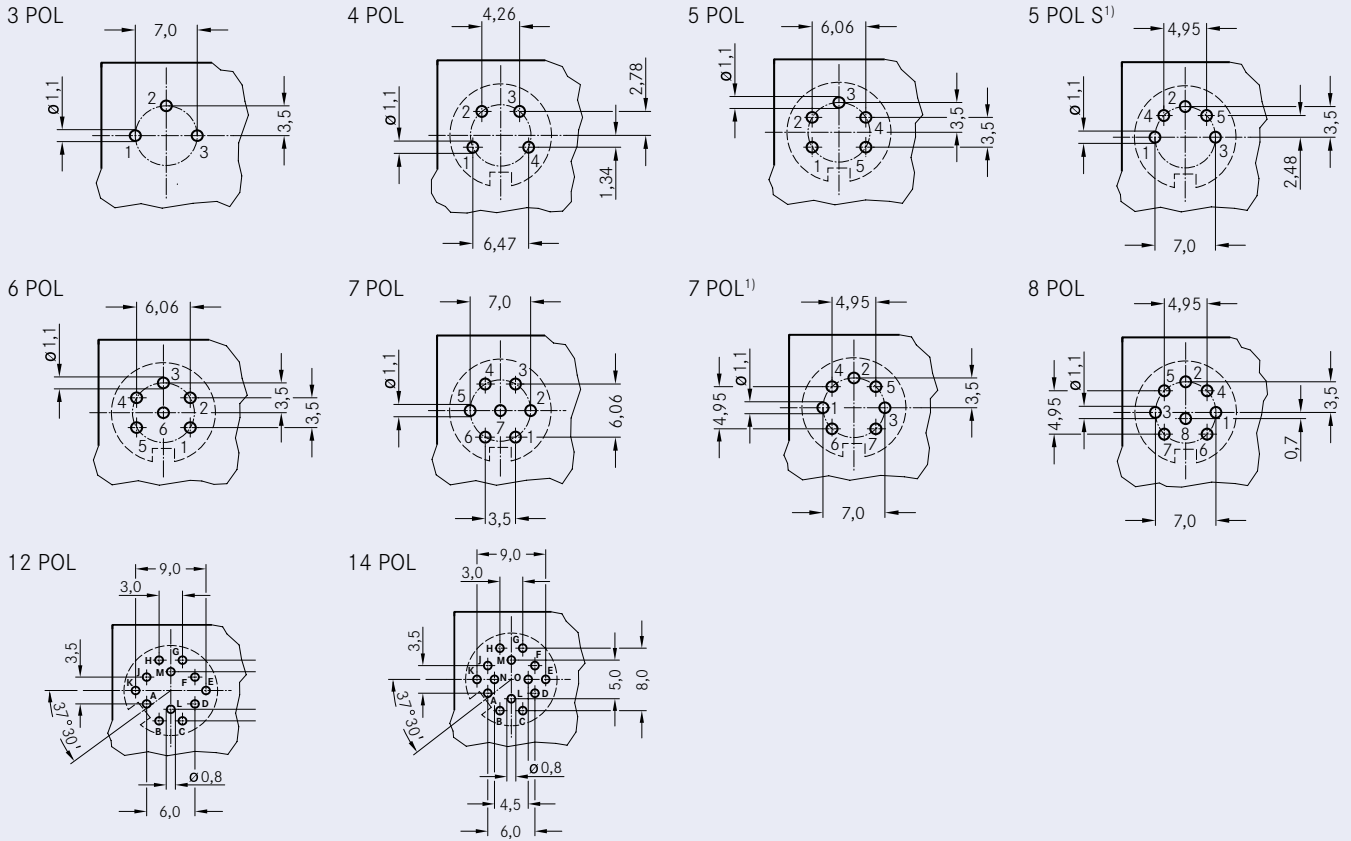
## Panel cutout<sup>3)</sup> | Female receptacle | 90° | PCB flange mounting



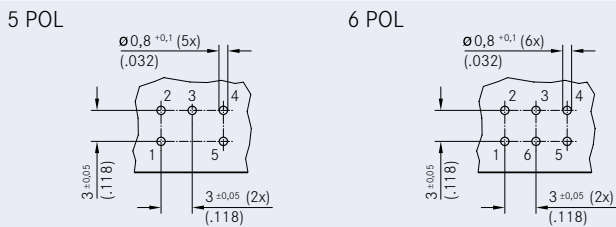
# C 091 A Female receptacle | PCB-LAYOUT

## PCB-LAYOUT (components side of circuit board)

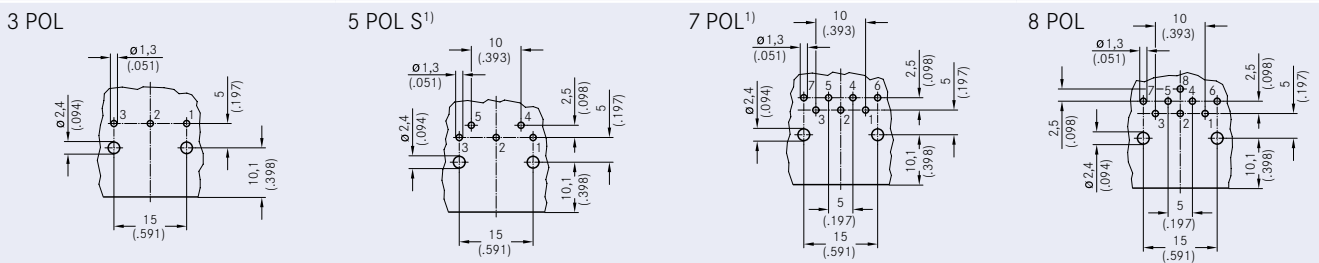
### Female receptacle | front mounting | rear mounting



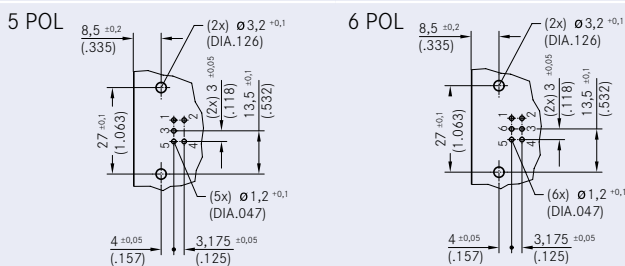
### Female receptacle | 90° | rear mounting



### Female receptacle | 90° | PCB mounting



### Female receptacle | 90° | PCB flange mounting









## C 091 B

- Bayonet locking
- Plastic locking ring
- 2 - 8, 12 and 14 positions for crimp and solder
- IP 40
- Internal strain relief
- Male and female cable connectors straight and angled
- Male and female receptacles for front and rear panel mounting and PCB mounting
- Coloured back shells optional
- UL registered under file number E 63 093 UL

## C 091 B Characteristics

General Characteristics	Standard	Characteristics									
Number of contacts		3	4	5	5 Stereo	6	7	7	8	12	14
View on termination side of male contact insert											
Contact arrangement	DIN EN 61076-2-106	03-a ✓	04-a ✓	05-a ✓	05-b ✓	06-a ✓	07-a ✓	07-b ✓	08-a ✓	12-a ✓	14-a ✓
Contact arrangement	IEC 60130-9 <sup>1)</sup>	✓	✓		✓	✓		✓	✓		
Electrical Characteristics											
Rated voltage	IEC 60664-1	300 V ≈			100 V ≈	300 V ≈			150 V ≈		
Rated voltage	UL 1977	250 V								60 V	
Rated impulse withstand voltage	IEC 60664-1	1500 V			1200 V	1500 V			1200 V		
Pollution degree	IEC 60664-1	1									
Installation category	IEC 60664-1	I									
Insulation group	IEC 60664-1	II, 400 ≤ CTI < 600									
Current rating	IEC 60512-5-2 UL 1977	5 A / + 40 °C / + 104 °F please refer also to current derating curves page 59								3 A / + 40 °C / + 104 °F	
Insulation resistance	IEC 60512-3-1	> 10 <sup>10</sup> Ω <sup>2)</sup>									
Contact resistance	IEC 60512-2-1	< 5 m Ω									
Climatic Characteristics											
Climatic category	IEC 60668-1	40 / 100 / 56									
Temperature range	IEC 60668-1	- 40 °C ... + 100 °C / - 40 °F ... + 212 °F									
Mechanical Characteristics											
IP-degree	IEC 60529	IP 40									
Insertion and withdrawal forces	IEC 60512-13-2	25 N 90.oz	30 N 110.oz	35 N 125.oz	50 N 180.oz	55 N 200.oz	60 N 220.oz	50 N 180.oz			
Mechanical operation	IEC 60512-9-1	Silver ≥ 500 mating cycles Gold ≥ 1000 mating cycles									
Materials											
Housing material		die cast, nickel plated									
Dielectric material		thermoplastic									
Contact plating		silver plated / gold plated <sup>3)</sup>									
Further Characteristics											
Termination technique		solder, crimp									
Wire gauge		solder: ≤ 0,5 mm <sup>2</sup> / 20 AWG crimp: 2 - 6 pol (excluding 5S): 0,09 - 1,00 mm <sup>2</sup> / 28 - 18 AWG crimp: 5S, 7, 7S and 8-pol.: 0,09 - 0,75 mm <sup>2</sup> / 28 - 20 AWG								solder: ≤ 0,25 mm <sup>2</sup> / 24 AWG crimp: 0,09-0,25 mm <sup>2</sup> / 28 - 24 AWG	
Flammability		UL 94 V0									
Locking system		bayonet									

**Caution:** Do not connect or disconnect under load. Metal housing parts shall be securely incorporated to protected ground.

<sup>1)</sup> Edition 2000-05

<sup>2)</sup> under operating conditions >10<sup>8</sup> Ω

<sup>3)</sup> Remark for gold plated contacts: In order to avoid brittle inter-metallic connections, gold-plated terminals have to be tin-plated in the solder area.

IEC 60 664 ≙ DIN VDE 0110; IEC 60 512-x ≙ DIN EN 60 512-x; IEC 60 130-9 ≙ DIN EN 60 130-9; IEC 61076-2-106 ≙ DIN EN 61076-2-106