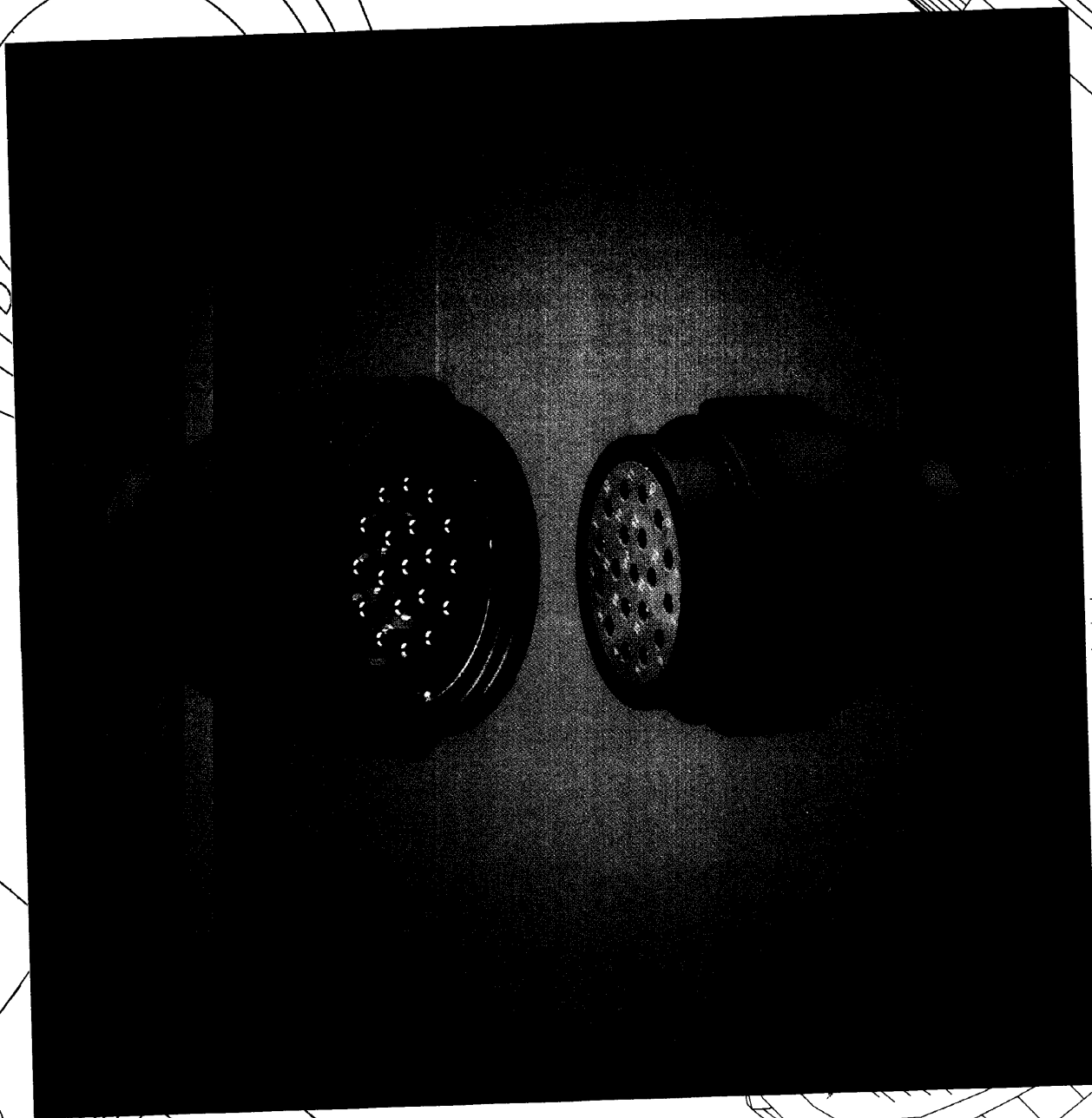


*Series*  
**92**

# **M U L T I C O N T A C T C I R C U L A R C O N N E C T O R S**



**CEEP**



## MAKING CONNECTORS

When it comes to making connections that count, CEEP certainly has all the right credentials.

Established in the UK for more than 10 years, CEEP is already well known to its many customers and distributors as a market leader in the design, manufacture and supply of advanced electrical interconnection systems.

Our product range includes circular and rectangular connectors, "D" connectors, hoods and an extensive range of accessories. The integrity and effectiveness of CEEP components is well established and subject to an on-going programme of research and development.

By combining our extensive design facilities with considerable experience in all major industrial, commercial and professional sectors, customers can be certain of always making the right connection.

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## CIRCULAR CONNECTORS

Series 92 offers customers a wide range of circular connectors suitable for the vast majority of industrial and commercial applications.

Integral to the overall Series 92 design concept are a number of key features and benefits for users:

- A comprehensive range of planforms and configurations, which allow customers to select the most effective connector for their needs.
- Available in solder or crimp termination (for certain planforms only).
- A robust design which ensures efficiency and reliability wherever the connectors are used.
- Design features which conform to IP-67 [IEC 625] or greater, on request.
- A functional design which is both simple and easy to use.

Completely compatible with our earlier ranges (61, 83 and 85), Series 92 offers outstanding design characteristics combined with the quality and reliability you would expect from a company with CEEP's experience in the connector field.

### TECHNICAL DATA

#### Mechanical

Shell	Aluminium alloy
Protection	Electroless nickel
Insulator	Thermoset (Standard version, except...) Neoprene (222P/CD, 337P/CD) Thermoplastic (19CD, 23CD, 28CD, 319CD, 419CD, 434CD) PPS (419CD only)
Contact	Machined brass
Plating	Gold over nickel

	SOLDER			
	•	○	◐	⊕
Ø Male contact (mm)	1	1.5	3	5
Working current (A)	7.5	10	25	50
Wire section (mm <sup>2</sup> )	0.75 max	1.75 max	5.1 max	13 max
Contact resistance (Ω)	< 0.005			

	CRIMP		
	•	○	◐
1	1.5	3	
7.5	10	25	
0.75	0.75 1.5 2.5	1.5 2.5 4	
Contact resistance (Ω)	< 0.005		

#### Climatic

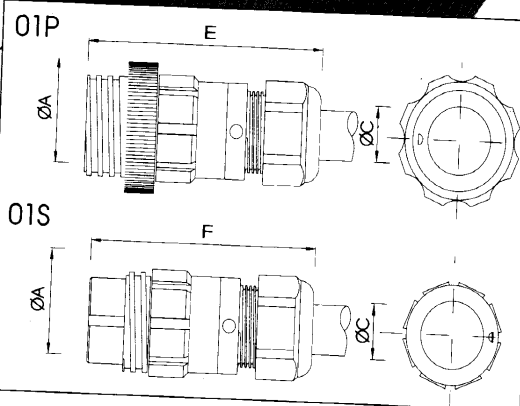
Resistant to saline atmosphere 96h IEC 68-2-11

Working Temperatures: Thermoplastic -35- + 85°C  
Neoprene -40°C + 120°C  
Thermoset -40°C + 120°C

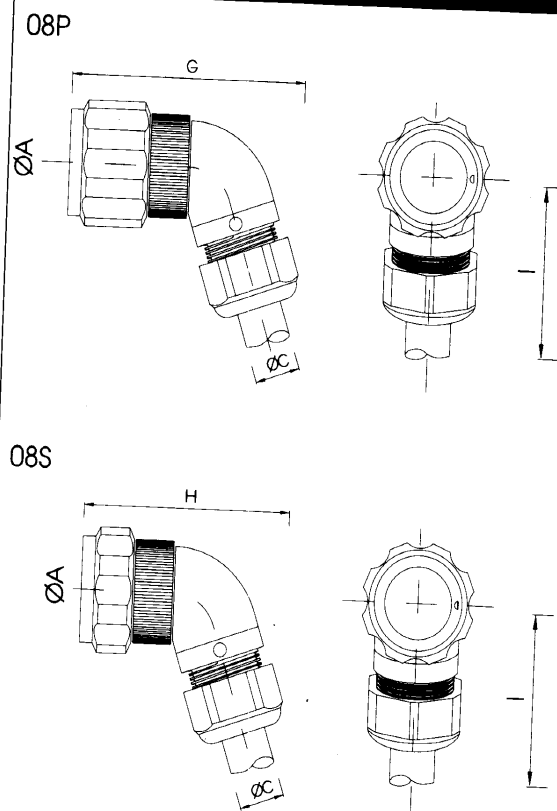
Conforms to technical specifications CCTU 08.07 and IP67

# OUTLINE DIMENSIONS

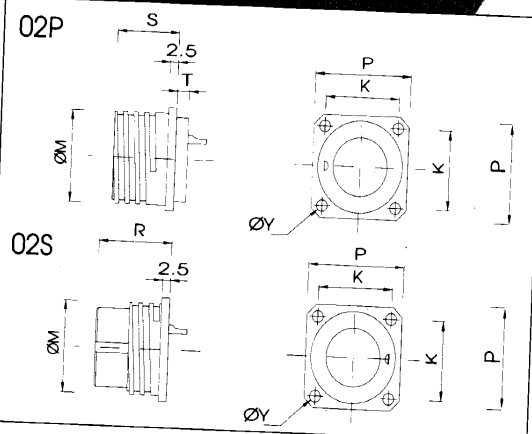
## EXTENDER



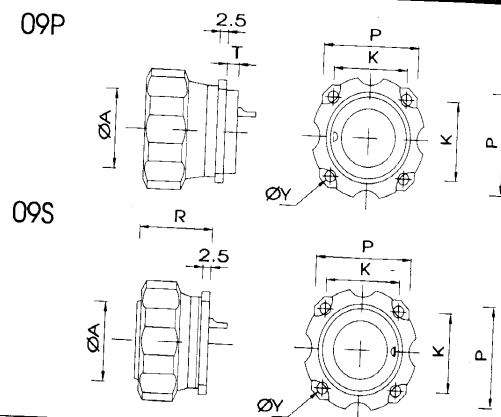
## ANGLED CONNECTOR



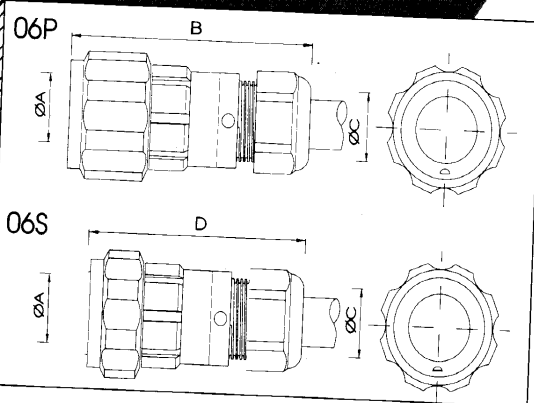
## RECEPTACLE



## RECEPTACLE WITH COUPLING NUT



































## STRAIGHT PLUG











	PG	A	B	ØC	D	E	F	G	H	I	K	M	P	R	S	T	Y
T-10	11	27.5	65	5 a 10	56.4	58	62	58.8	51.8	38.8	19	21	25	23	22.5	5	3.2
T-20	16	36.5	74.3	7 a 12 10 a 14	66.7	71.3	68.3	73.8	68.2	46.8	24	28	31	24	24.5	4	3.5
T-30	29	52	85.8	13 a 20 18 a 25	78.2	83	81	89.5	83.8	63	34	42	46	24	24.5	4	3.5
T-40	29	64.5	96.5	13 a 20 18 a 25	89	93.5	91.5	95.5	89.8	76.9	41	52	56	24	24.5	4	3.5
	36	64.5	96.5	22 a 32	89	93.5	91.5	101.8	94.2	68.4	41	52	56	24	24.5	4	3.5

## CONTACT PLANFORMS

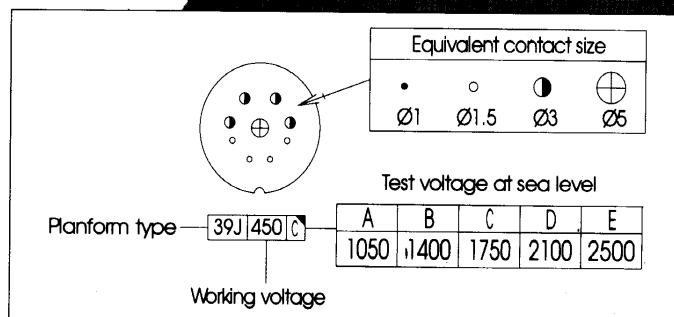
### SOLDER CONTACTS

T-10	  
	<div>13U 270 B</div> <div>14V 225 B</div> <div>17P 150 A</div>
T-20	        
	<div>22B 490 D</div> <div>23C 440 B</div> <div>23AL 540 C</div> <div>25D 370 B</div> <div>25S 370 B</div> <div>26R 300 B</div> <div>27E 370 B</div> <div>27X 300 B</div> <div>28T 270 B</div>
	    
	<div>29AE 280 B</div> <div>210AO 280 A</div> <div>212AF 270 A</div> <div>213AN 125 A</div> <div>222P 150 A</div>
T-30	      
	<div>32F 525 C</div> <div>34H 490 C</div> <div>37Y 470 C</div> <div>39J 450 C</div> <div>315K 355 C</div> <div>319L 390 C</div> <div>337P 175 D</div>
T-40	    
	<div>47M 420 E</div> <div>48M 420 E</div> <div>413AB 420 C</div> <div>419AR 400 C</div> <div>422AC 355 C</div>
	  
	<div>424AA 355 C</div> <div>439R 270 C</div> <div>443AP 300 C</div>

### CRIMP CONTACTS

T-10	
	<div>19CD 150 A</div>
T-20	  
	<div>23CD 440 B</div> <div>28CD 270 B</div> <div>222CD 150 A</div>
T-30	 
	<div>319CD 390 C</div> <div>337CD 175 D</div>
T-40	 
	<div>419CD 400 C</div> <div>434CD 355 C</div>

### EXPLANATION CHART

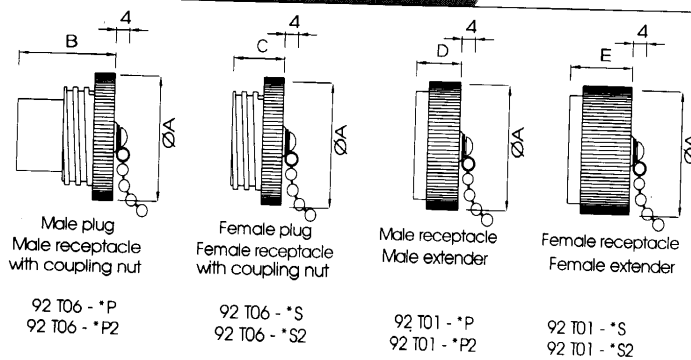


## ACCESSORIES

### CONTACT AND CRIMP TOOLS

Planimeter type	Wire Section	Crimp contact		Crimp tools				
		Male	Female	Simple tool	Adjustable tool	Positioner	Insertion tool	Extraction tool
19CD	AWG 20-24	PX C-12	SX C-10	2613-1	AFM8	K-613	701	702/3
	AWG 26-28	PX C-12	SX C-10	2613-2				
28CD	0.75 mm <sup>2</sup>	PX C-115	SX C-114	—	M-309	SH-480	DAK-289	DRK-289
319CD	1.5 mm <sup>2</sup>	PX C-89	SX C-88					
434CD	2.5 mm <sup>2</sup>	PX C-91	SX C-90					
222CD	AWG 20-28	PX C-615	SX C-614	—	AFM8	11051	701	702/3
337CD	AWG 20-28	PX C-148	SX C-149	—	AFM8	11051	T3-293	702/3
23CD 419CD	1.5 mm <sup>2</sup>	PX C-86	SX C-85	—	M-309	SH-480	DAK-290	DRK 290-12
	2.5 mm <sup>2</sup>	PX C-82	SX C-81					
	4 mm <sup>2</sup>	PX C-140	SX C-139					

### METAL CAPS



* SIZE	ØA	B	C	D	E
10	25	27	14	12.8	19
20	32	30.6	16	13.5	19
30	47				
40	57				

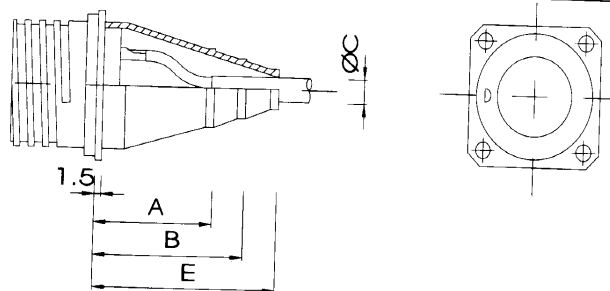
Standard Finish  
Black Finish

Part Numbers

NB 92 T06 P/S suitable for T08 & T09 requirements

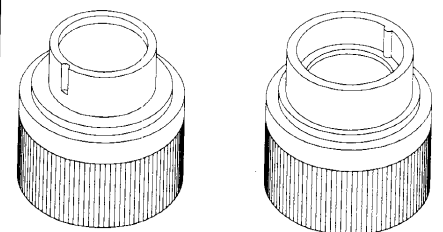
92 T01 P/S suitable for T02 requirements

### WATERPROOF RUBBER BOOT FOR RECEPTACLES



	Ref.	ØD	A	B	E	ØC		
T-10	120T1-233	18	19.5	22.8	26	9	7.25	5.5
T-20	120T2-491	27	27	34.5	42	14	10	6
T-30	120T3-327	37	40	46.5	53	17	13.5	10
T-40	120T4-420	47	34.5	49.5	64.5	30	22	14

### PLUG ASSEMBLY TOOLS



Male

Female

	Tool references to assemble males to assemble females	
T-10	SC102530	SC101530
T-20	SC202530	SC201530
T-30	SC302530	SC301530
T-40	SC402530	SC401530

## GENERAL DATA

### PART NUMBERS

92

06

—

419AR

S

B

2

SERIES

CONNECTOR TYPE

- 01 Extender
- 02 Receptacle
- 06 Straight plug
- 08 Angled connector
- 09 Receptacle with coupling nut

CONTACT PLANFORM

Please see chart for contact planforms on page 5

CONTACT GENDER

- S Socket
- P Plug

FINISH

- Standard
- 2 Black

CABLE CLAMP

Connector size	Pg	Cable Ø in mm	Ref.
10	11	5 a 10	D
20	16	7 a 12 10 a 14	A B
30	16	7 a 12 10 a 14	A B
	29	13 a 20 18 a 25	C D
40	29	13 a 20 18 a 25	A B
	36	22 a 32	D