

## 'J' CONNECTORS

4, 8, 12 and 20 contact series

## Features

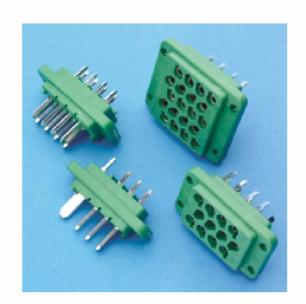
Cinch Connectors  $\ensuremath{\mathsf{J}}'$  connectors incorporate patented resilient finger contacts.

Twelve fingers engage with each flat plug pin to provide low contract resistance, high current carrying capacity and minimum insertion and withdrawal forces.

These special features help to provide a thoroughly reliable connector, enhanced by Mk.2 shells moulded in grey high impact thermoplastic for appearance and durability.

## MK. 2 Shells

No. 4 thread cutting screws with Pozidriv heads are provided loose for assembly of plugs/sockets into Mk. 2 shells. For uniformity Pozidriv headed screws are now supplied for cable clamp adjustments.



### Materials and finishes

Mouldings High impact thermoplastic -

green

Plug blades Brass - Tin Plated

Socket contacts Copper alloy - Tin Plated

Shells High impact thermoplastic

colour - Grey

#### Technical Data

Number of ways 4, 8, 12 and 20 Working voltage 900 V d.c. or a.c. peak

Current rating 5/

Voltage proof 3 kV between contacts and 2.8 kV

between contacts and frame d.c. or

a.c. peak

Contact resistance 5 milliohms

Insulation resistance 5,000 megohms min.

Temperature range -40°C to +100°C

Mating cycles 250

## Connector sizes and contact arrangements

Connector	Plug	Socket	Shell
4	JA	JA	JA
4	77844	77845	83383
4	00	00	00
4	000	000	OPB
4	000	000	000



Connector	Plug	Socket	Shell
8	JA	JA	JA
8	77846	77847	83384
8	00	00	00
8	000	000	OPB
8	000	000	000



Connector	Plug	Socket	Shell
12	JA	JA	JA
12	77848	77849	83385
12	00	00	00
12	000	000	OPB
12	000	000	000.



Connector	Plug	Socket	Shell
20	JA	JA	JA
20	77850	77851	83386
20	00	00	00
20	000	000	0PB
20	000	000	000



#### **Customer Notes**

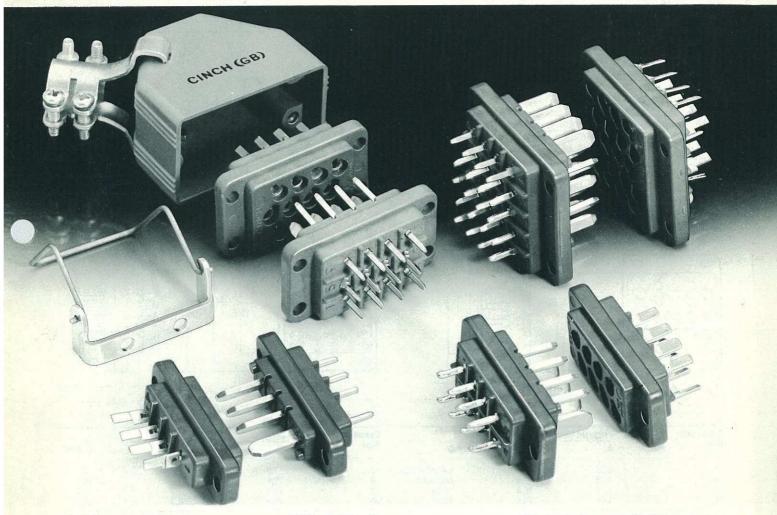
How to order: Plugs, sockets and shells must be ordered separately. Contact identification: Contacts are numbered on the termination side of both plugs and sockets.

Please consult factory for further information.



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Cinch Connectors 'J' connectors incorporate patented resilient finger contacts. Twelve fingers engage with each flat plug pin to provide low contact resistance, high current carrying capacity and minimum insertion and withdrawal forces. These special features help to provide a thoroughly reliable connector, enhanced by Mk.2 Shells moulded in grey high impact thermoplastic for appearance and durability.

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## Materials and finishes

Mouldings

Plug blades Socket contacts

Shells

High impact thermoplastic-Green Brass-Silver plated Copper alloy-Silver plated High impact thermoplastic colour-Grey

## Technical data

**Number of ways** Working voltage **Current rating** Voltage proof

4, 8, 12 and 20 900 V d.c. or a.c. peak

3 kV between contacts and 2,8 kV between contacts and frame d.c. or a.c. peak Contact resistance 5 milliohms

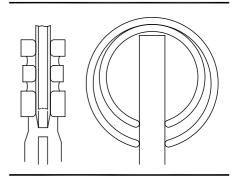
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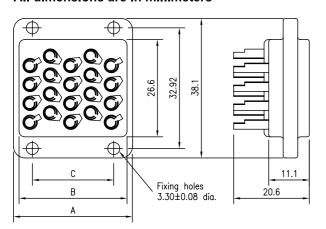
4, 8, 12 and 20 contact series

#### Highly reliable 12 point contacts



### **Dimensions**

#### All dimensions are in millimeters

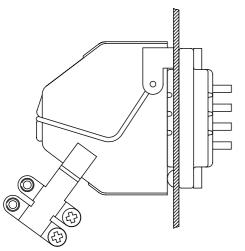


Connector Size	Plug and socket dimensions			
	A	В	С	
4	10.3	7.3	two mounting	
8	15.8	12.8	holes only	
12	21.4	18.4	12.70 ´	
20	32.5	29.5	22.22	

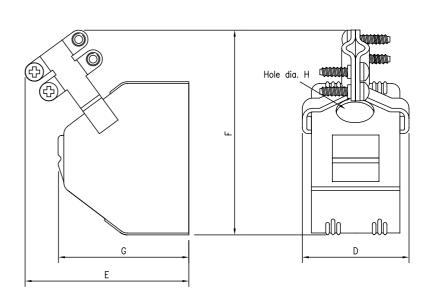
	32.92	
B A	Fixing holes 3.30±0.08 dia.	11.1 9.9

Connector Size	Shell d	Shell dimensions				
	D	E	F	G	H(min)	
4	17.9	45.7	56.4	35.7	8.5	
8	23.4	46.8	57.2	35.7	10.3	
12	29.4	46.8	57.2	35.7	11.8	
20	40.0	48.0	58.3	35.7	13.9	

Note: the shell dimensions tabled above are approximate and intended as a guide only



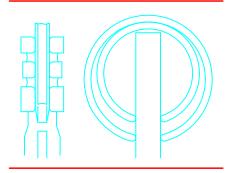




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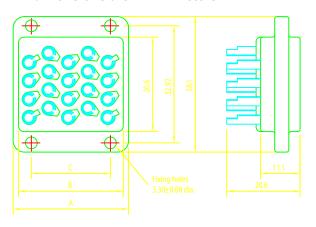
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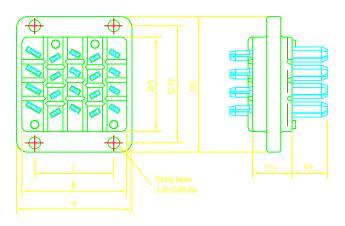
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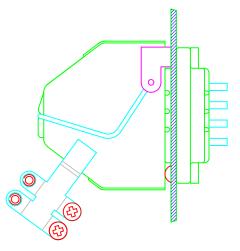


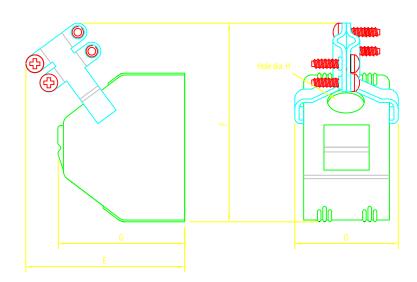
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Assembly of plug, socket and shell to chassis