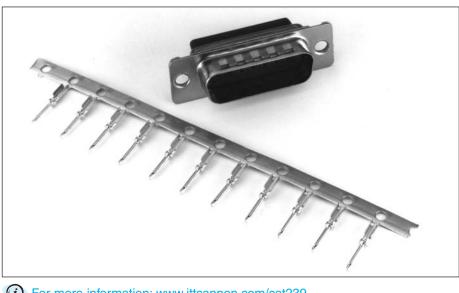
The D*U series, Cannon's low cost crimp-type D Subminiature connector, offers both machined and stamped contacts for crimp applications. Available in UL 94V-0 material, D*U series features a snap-in rear release contact.

Applications:

- Commercial Cabling
- Industrial
- Telecommunications



For more information: <u>www.ittcannon.com/cat239</u>

Product Features

- Corrects misaligned contacts.
- Crimp snap-in contacts.

- Highly reliable socket.
- Mates with existing D Subminiature connectors.
- Contact insertion/extraction with expendable tool.

Performance Specifications

Contact Current Rating	5 A
Contact Termination	Crimp ^{\$}
Coupling	Friction, accessories
DWV	500 V ac at sea level
Number of Circuits	Up to 37: 9, 15, 25, 37
Operating Temperature	–55°C to 105°C (–67°F to 221°F)
Polarization	Keystone shape of shell
Size or Length	4 sizes – E, A, B, C

Materials and Finishes

Description	Material	Finish/Treatment	
Shell	Steel	Tin	
Insulator	Thermoplastic, Glass-filled, UL 94V-0	Color: Black	
Contact	Copper Alloy	Engaging Area: Gold over Nickel Terminating End: Tin-Lead	
Hardware	Stainless Steel	Passivated	

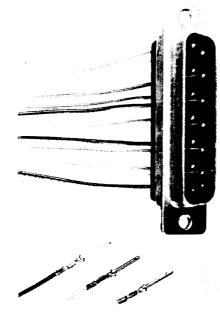
Please contact your local Cannon representative: <u>www.ittcannon.com/support/ContactUs</u>
Order crimp contacts separately.

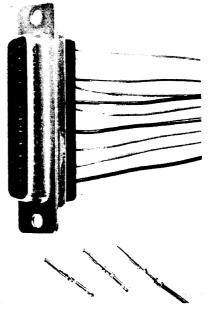


Version 05.01.03

146 445

D*U SUBMINIATURE CONNECTOR WITH CRIMP STYLE REMOVABLE CONTACTS





Features

- Stamped and formed contacts with insulation support
- Insulation support contacts fully recessed in insulation after assembly
- Flame retardant insulators (UL approved material)
- Fully intermateable with all Cannon D connectors
- Contacts only loaded into selected cavities
- Stamped and formed contacts supplied in reel form (7500 contacts per reel) or loose in bags of 100
- Choice of semi-automatic or manual tooling
- Option of machined contacts

Standard Data

PB-DU-3/84(GB)

The new D*U connector permits selective loading of crimp terminated pin and socket contacts providing lower installed costs

The contacts are quickly terminated using low cost hand, bench mounted or semi-automatic crimp tooling (see back page for details). Terminated contacts are inserted and extracted from the rear of the connector using an expendable plastic insertion/extraction tool.

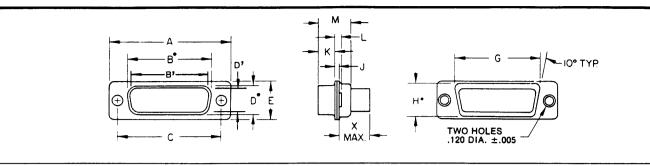
D*U connectors operate in temperatures up to 120°C and are used in plug-in module applications, cable-to-cable and cable-to-panel installations, computer, business machines and many other commercial applications.

Standard materials and	finishes		Electrical Data					
Shell	Steel, plate	ed zinc with yellow	Contact Termination	Size 20 contacts: 22 to 28AWG stranded wire;				
	chromate		Wire Size (stamped)					
nsulator	Glass-filled	l black thermoplastic						
(UL94∨		Grade)	(machined)	Size 20 contacts: 18 to 30AWG stranded wire.				
Contacts	Machined: Copper alloy, gold							
		over nickel plate	Current Rating	Size 20 contacts: 5 amps				
	Stamped:	Phosphor-bronze, gold						
		over nickel plate	Voltage Rating	Average Flashover	Test			
Mechanical Features			Sea level	1,500 VAC	1,000 VAC			
	- • • • • •		20,000 ft	1,000 VAC	650 VAC			
Coupling		nd lock accessories	70,000 ft	500 VAC	325 VAC			
Polarization Contact Type	Keystone-s Crimp snap	shaped shells p-in	120,000 ft	255 VAC	175 VAC			

Cannon Electric (GB) Ltd., Java Close Viables Industrial Estate

Jays Close, Viables Industrial Estate, Basingstoke, Hants. RG22 4BW. Tel: Basingstoke (0256) 473171 Telex: 858105





Part Number be Shell Size	A ±0.4	B● ±0.3	В′ ±0.3	С ±0.2	D● ±0.3	D' ±0.3	Е ±0.4	G ±0.3	н ±0.3	J ±0.3	к ±0.3	L Max.	м ±0.3	N ±0.3	X Max.
DEU-9P-FO	30.8		16.9	25.0		8.4	12.5	19.3	10.7	0.8	6.0	1.90	10.7	3.0	9.5
DEU-9S-FO	30.8	16.3		25.0	7.8		12.5	19.3	10.7	0.8	6.2	1.90	10.9	3.0	9.5
DAU-15P-FO	39.1		25.3	33.3		8.4	12.5	27.5	10.7	0.8	6.0	1.90	10.7	3.0	9.5
DAU-15S-FO	39.1	24.6		33.3	7.8		12.5	27.5	10.7	0.8	6.2	1.90	10.9	3.0	9.5
DBU-25P-FO	53.0		39.0	47.0		8.4	12.5	41.3	10.7	1.0	5.9	1.90	10.8	3.3	9.5
DBU-25S-FO	53.0	38.3		47.0	7.8		12.5	41.3	10.7	0.8	6.2	1.90	10.9	3.0	9.5
DCU-37P-FO	69.3		55.4	63.5		8.4	12.5	57.7	10.7	1.0	5.9	1.90	10.8	3.3	9.5
DCU-37S-FO	69.3	54.8		63.5	7.8		12.5	57.7	10.7	0.8	6.2	1.90	10.9	3.0	9.5
DDU-50P-FO	66.9		52.8	61.1		11.1	15.4	55.3	13.6	1.0	5.9	1.90	10.8	3.3	9.5
DDU-50S-FO	66.9	52.4		61.1	10.7		15.4	55.3	13.6	0.8	6.2	1.90	10.9	3.0	9.5
NOTE: Dimens	sions B		nd H e a	e measi	ured as	outside	dimens	ons at the	bottom o	f the draw	R@ and	De are th		ne for soc	kat sida.

NOTE: Dimensions B^{\bullet} , D^{\bullet} , G^{\bullet} and H^{\bullet} are measured as outside dimensions at the bottom of the draw. B^{\bullet} and D^{\bullet} are the O.D. dims. for socket side; B' and D' are the dims. for pin side.

Part Number suffix FO indicate connectors supplied without contacts.

Stamped Contacts

Insulation Support

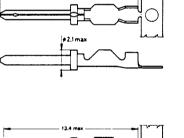
Stamped contacts are furnished on reels for use with the semiautomatic crimp and strip/crimp machines. These contacts will accommodate wire sizes 22 to 28AWG stranded wire. For solid wire accommodation please consult the factory. Contacts are also available loose in bags of 100.

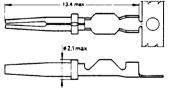


Contact (Reeled 7500 per reel)	20-22	20-26
Pin	077069-0200	077069-0202
Socket	077069-0201	077069-0203
Contact (loose in bags of 100)		
Pin	330-7633-010	330-7635-010
Socket	330-7634-010	330-7636-010

PIN

SOCKET



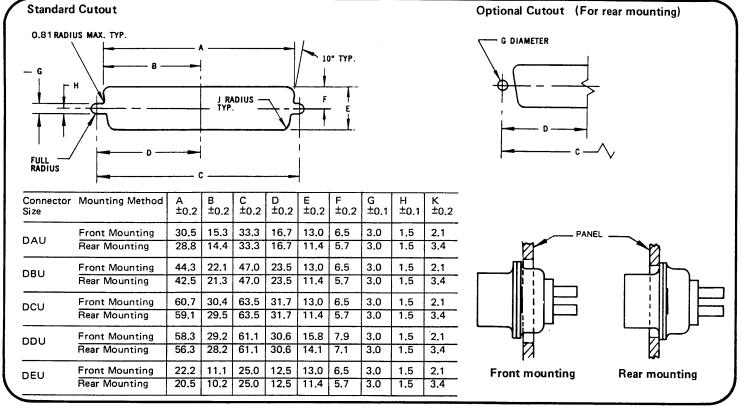


Machined Contacts

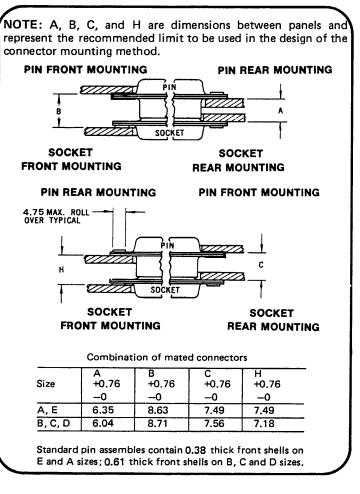
Contact	Contact Part Number	A ±0.05	в ±0.05	C ⊐Max.	
Pin 20-20	030-1952-000	1.7	1.1	13,6	
Pin 20-18	030-1954-000	2,1	1,7	22,2	Ť
Pin 20-26	030-1952-002	1,7	0,6	13,6	
Socket 20-20	030-1953-000	1,7	1,1	13,3	NOTE: for 20-18 contacts only:
Socket 20-18	030-1955-000	2,1	1,6	21,6	Shrink sleeving is suggested on the crimp pot to prevent con-
Socket 20-26	030-1953-002	1,7	0,6	13,3	tacts from touching.

All dimensions in millimetres

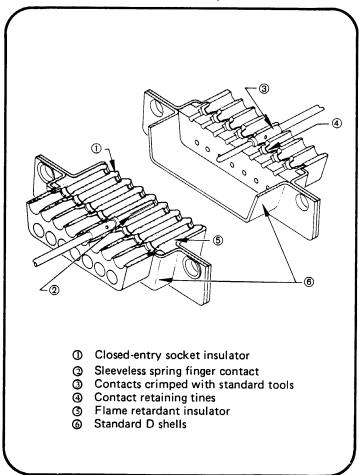
Panel Cutouts



Panel Mounting

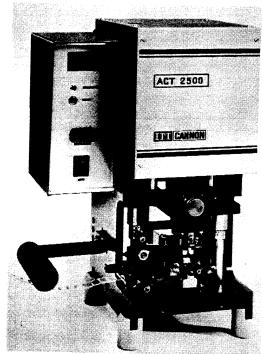


Rear Release Contact Retention System

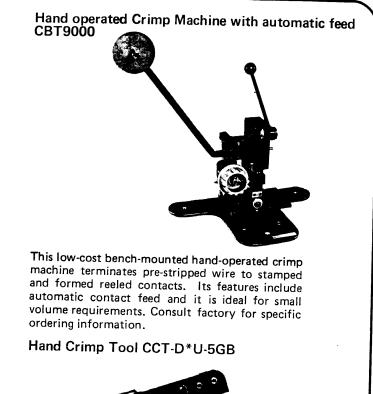


Dimesnsion subject to change.

Semi-automatic Strip/Crimp Machine ACT2500



The ACT2500 quickly and reliably crimp terminates up to 1200 contacts per hour. The machine which only requires an electrical supply, is suitable for a wide variety of contacts and cable sizes. Crimp tools are easily changed. Time consuming adjustments are unnecessary, stripping and crimping is sensor released. This semi-automatic crimp machine is a practical and cost saving tool when using Cannon reeled contacts. Please ask for details of our leasing arrangements.



With this tool each crimp cycle is ratchet controlled to ensure a satisfactory crimp; suitable for on-site/low volume applications.

2.8

Wire Stripping Detail

Contact	t Data				Tools							
Size	Suitable for conductor AWG (mm)	Contact	order no.		Hand Crimp tool	Locator	Semi-Automatic Tool	Bench Mould	Insertion/ Extraction	Color		
Stamped, with insulation support								Mounted	Tool	Extraction		
20-22	22-24 (0.4-0.23)	Pin: Socket:	077069-0200 077069-0201	7500 contacts on ree!	CCT-D*U-5GB	-	ACT2500	СВТ9000	CIET-20HD	coloured/ white		
20-26	26-28 (0.13-0.09)	Pin: Socket:	077069-0202 077069-0203	7500 contacts on reel	CCT-D*U-5GB	-	ACT2500	CBT9000	CIET-20HD	coloured/ white		
20-22	22-24 (0.4-0.23)	Pin: Socket:	330-7633-010 330-7634-010	loose in bags of 100	CCT-D*U-5GB	-			CIET-20HD	coloured/		
20-26	26-28 (0.13-0.09)	Pin: Socket:	330-7635-010 330-7636-010	loose in bags of 100	CCT-D*U-5GB	-			CIET-20HD	white coloured/		
nachine	d				<u> </u>					white		
0-20	20-24 (0.6-0.23)		030-1952-000 030-1953-000		M22520/1-01	ТН 185	_		CIET-20HD	coloured/		
0-18	18 (1.0) or (2x) 22 (0.4)		030-1954-000 030-1955-000		M22520/1-01	ТН 185	-		CIET-2018HD'	white coloured/		
0-26	26-30 (0.13-0.06)		030-1952-002 030-1953-002		M22520/2-01	L3198-20 HDL	_		CIET-20HD	white coloured/		

In line with a policy of continual product development, ITT Cannon reserve the right to change the specification of the components in this bulletin at any ime and without prior notice.

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Contacts and Tools