



# DOCUMENT CHANGE REQUEST

DCR number	427	Changes required for:	General	Originator:	Steve Thacker - ESCC
Date:	2008/07/28	Date sent:	2008/07/28	Organisation:	ESA/ESTEC
Status:	IMPLEMENTED				

Title: Connectors Electrical Rectangular Removable Crimp Contacts, based on type D\*MA

Number: 3401/002 Issue: 4

Other documents affected:

Page:

see below & attached

Paragraph:

see below & attached

Original wording:

Proposed wording:

The following amendments were identified by Manufacturer C&K:

1 - Applicable Document number MIL-C-24308 (which is obsolete) in para 2 & Figure 2(b) Note 1 amended to be MIL-DTL-24308.

2 - Add the connector body type to all the dimension tables in Figure 2(a) such that :  
"Plug" connector type applies to male contact type.  
"Receptacle" connector type applies to female contact type.

3 - Amend some specific dimension limits in Figure 2(a) as follows:

Shell Size E (page 8);  
Male & Female Dimension A to be 31.19mm max (was 31.26mm)  
Male Dimension K to be 6.05mm max (was 6.13mm)  
Female Dimension K to be 6.05mm min (was 5.87mm)

Shell Size A (page 9);  
Male Dimension K to be 6.05mm max (was 6.13mm)  
Female Dimension K to be 6.05mm min (was 5.87mm)

Shell Size B (page 10);  
Male Dimension K to be 5.99mm max (was 6.13mm)  
Female Dimension K to be 6.05mm min (was 5.87mm)

Shell Size C (page 11);



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Male Dimension K to be 5.99mm max (was 6.13mm)  
Female Dimension K to be 6.05mm min (was 5.87mm)

Shell Size D (page 12);  
Male Dimension D to be 11.07mm max (was 10.95mm)  
Male Dimension K to be 5.99mm max (was 6.13mm)  
Female Dimension K to be 6.05mm min (was 5.87mm)

Shell Size F (page 13);  
Male & Female Dimension G to be 57.25mm min / 57.75mm max (was 58.75mm min / 59.25mm max)

Floating Mount type "Y" (page 15)  
amend shell F outline as shown in the attachment.

Captive Nut Type "E" (page 15)  
Male & Female Dimension P to be 0mm min (was 0.2mm min)

Justification:

Corrections of editorial errors plus changes as identified by Manufacturer C&K

Attachments:

DCR427att.pdf, null

Modifications:

N/A

Approval signature:

Date signed:

2008-07-28

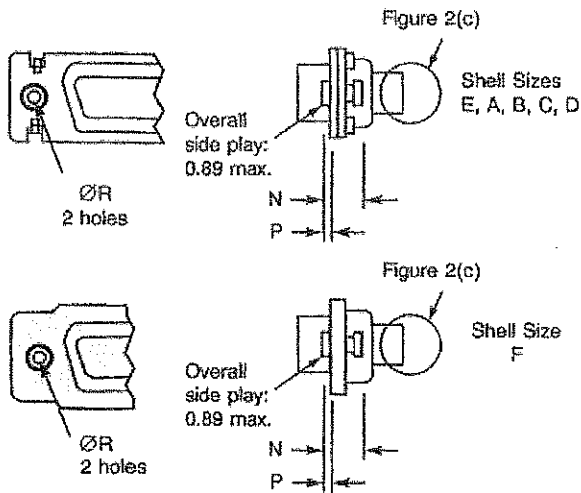
**FIGURE 2 - PHYSICAL DIMENSIONS (CONTINUED)**

**FIGURE 2(c) - RECEPTACLES AND PLUGS**

**OTHER MOUNTING TYPES**

**FLOATING MOUNT - TYPE 'Y'**

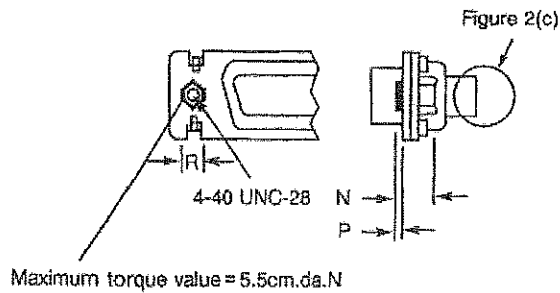
**SHELL SIZES E, A, B, C, D AND F**



Contact Type	Symbol/Dim.	N	P	ØR
Male	Min.	2.4	0.76	2.2
	Max.	3.3	0.86	2.3
Female	Min.	2.4	0.75	2.2
	Max.	3.3	0.86	2.3

**CAPTIVE NUT - TYPE 'E'**

**SHELL SIZES E, A, B, C AND D**



Contact Type	Symbol/Dim.	N	P	R
Male	Min.	3.4	0	4.3
	Max.	4.2	0.4	4.7
Female	Min.	3.4	0	4.3
	Max.	4.2	0.4	4.7

**NOTES**

1. See Figure 2(a) for other dimensions.