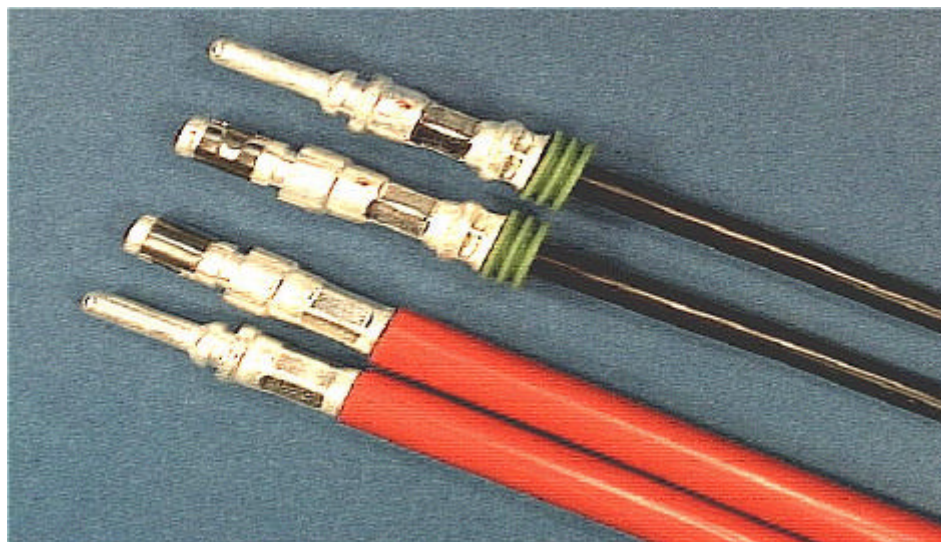


DC/DC Converter Connectors for a 42 V Vehicle Electrical System



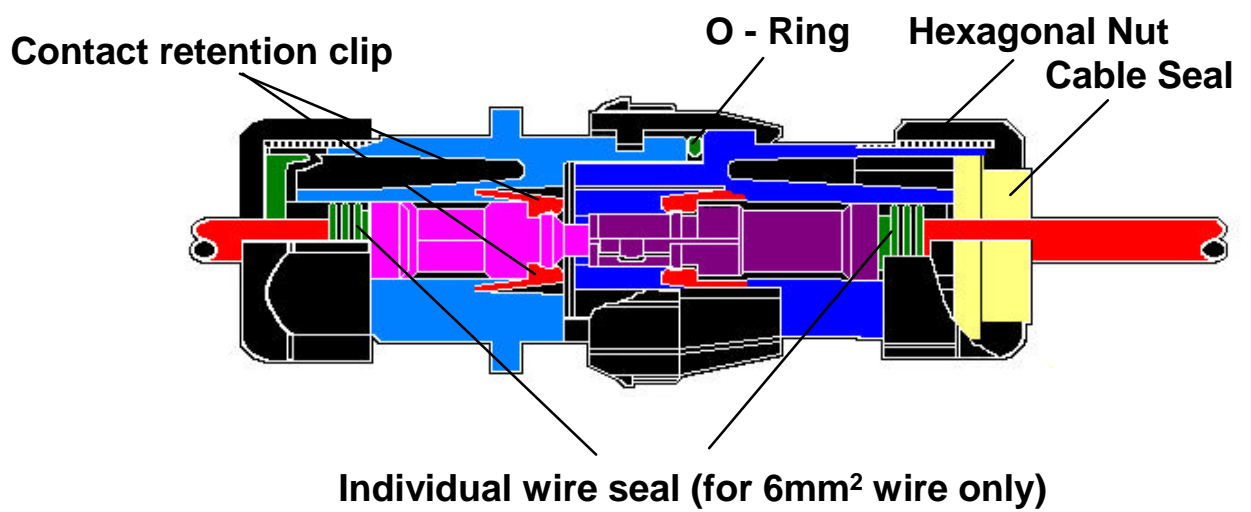
2 - way High Power styles




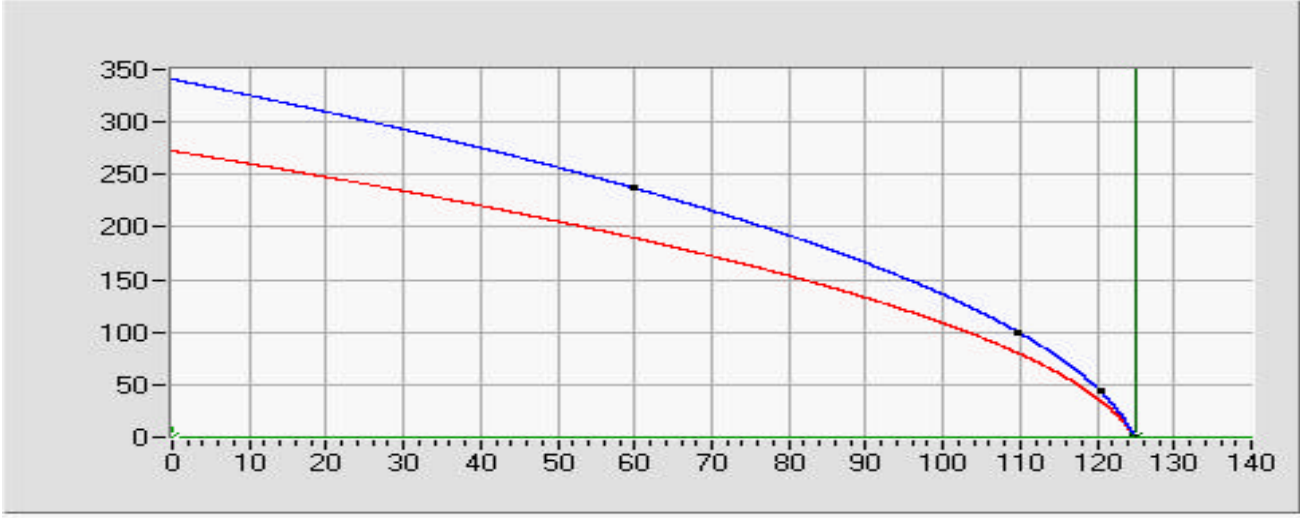
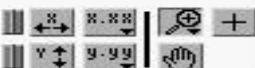
















High Power Crimp Contacts

DC/DC Converter Connectors in a 42 V Vehicle Electrical System

2 - way High Power



Derating Curve for High Power Contacts

Cannon  ITT Industries <i>Engineered for Life</i>		Prüf-Bericht / Test-Report		Verteiler/ <i>Distribution</i> K.Werner R.Andraschko R.Fenske H.Kieninger															
An/ <i>To</i>	Verteiler	Nr/ <i>No</i>	99066K																
Von/ <i>From</i>	W.Pfitzenreiter	Datum/ <i>Date</i>	04.05.99		Seite/ <i>Page</i>	1 von/of 2													
Genehmigt/ <i>Approved</i>		EA-Nr/ <i>EO-No</i>	99058																
Betreff/ <i>Subject</i> APD – Hochstrom Kontakte APD – High Power Contacts																			
Aufgaben/ <i>Task</i> Aufnahmen der Strombelastbarkeitskurve. Ascertaining of the current rating.																			
Prüfvorschriften/ <i>Specifications</i>		Bezugnehmende Berichte/ <i>related Reports</i> Acc. to VG95234																	
Prüfmuster/ <i>Testsamples</i> APD-Steckverbinder mit Kontakt #500 , Leiterquerschnitt 50 mm ² . APD-Connector with contact # 500, wire size 50 mm ² (AWG 0)																			
Kurzbeschreibung/ <i>Abstract</i> Plot 1 zeigt die Basiskurve, Plot 2 die Deratingkurve (80% der Basiskurve). Plot 1 shows the basic curve, Plot 2 shows the derating curve (80% of the basic curve).																			
 <p>The graph shows two derating curves for high power contacts. The x-axis represents current in Amperes (A) from 0 to 140, and the y-axis represents current in Amperes (A) from 0 to 350. A blue curve (Plot 1) represents the basic curve, starting at approximately 340 A at 0 A and decreasing to 0 A at 125 A. A red curve (Plot 2) represents the derating curve at 80% of the basic curve, starting at approximately 270 A at 0 A and decreasing to 0 A at 125 A. A vertical green line is drawn at 125 A on the x-axis.</p>																			
		<table border="1"> <tr> <td>Cur 0</td> <td>125,00</td> <td>0,00</td> <td></td> </tr> <tr> <td>Cur 1</td> <td>0,00</td> <td>0,00</td> <td></td> </tr> </table>		Cur 0	125,00	0,00		Cur 1	0,00	0,00			<table border="1"> <tr> <td>Plot 0</td> <td></td> </tr> <tr> <td>Plot 1</td> <td></td> </tr> <tr> <td>Plot 2</td> <td></td> </tr> </table>	Plot 0		Plot 1		Plot 2	
Cur 0	125,00	0,00																	
Cur 1	0,00	0,00																	
Plot 0																			
Plot 1																			
Plot 2																			

Battery Connection Systems for Batteries in a 42 V Vehicle Electrical System

CONCLUSIONS:

Please remember, these are only technical suggestions. Should you have any specifics in regards to your particular needs and requirements, we are open and available to you at any time to discuss details.

Any leads, that will help us to continue in our developments are highly appreciated.

We hope to come to a mutual solution in solving the task of this new development.