



Introducing Parallel groove clamps, DPA & DPU

DPA and DPU EDF type are used to link a bare conductor on an overhead line of equal nature

- o Aluminium tap conductor with DPA reference
- o Copper tape conductor with DPU reference

They are designed to connect two parallel conductors to tap a secondary line or to close a loop of one conductor to anchor it on an insulator

DESCRIPTION

- . These connectors are made of
 - o Upper and lower bodies having two grooves to receive the conductors
 - o One or two bolts passing through the bodies between the grooves
- . For DPA...F clamps, all components (bodies, bolts, washers and pressure plate) are made in high strength aluminium alloy. Series 600, for bodies and pressure plate, 7075 for bolts and washers. In addition, the bolts have a special coating in order to improve efficiency and to avoid corrosion.
- . For the DPU...F clamps, bodies are made out of brass (CuZn39Pb2), bolts, washers and plate out of high strength copper alloy.
- . For both types of clamps, bolts are equipped with shear head. These devices are made out of Zamack.
- . **Option:** DPU clamps can be delivered without shear head (see DPU range of products)

KEY FEATURES and BENEFITS

Bodies in high strength alloy	Long term life with conductors of the same material No risk of failure when tightening is done
Homogeneity of material	Maintain contact pressure Corrosion withstand
Tightening torque controlled by shear head system	Reliable tightening regardless of tool used
Ridged grooves	Improve mechanical and electrical behavior
Contact compound in the DPA grooves	Warranty a low electrical resistance and avoid corrosion at the contact points

STANDARDS AND SPECIFICATIONS

Comply with the French EDF specification HN 66S54



While TE Connectivity (TE) has made every reasonable effort to ensure the accuracy of the information in this catalog, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications. AMP, Raychem, SIMEL, TE Connectivity and TE Connectivity (logo) are trademarks.

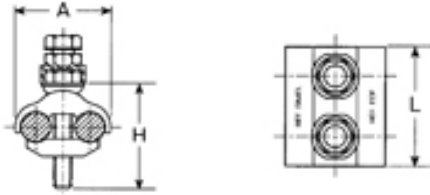
Tyco Electronics Simel S.A.S. – TE Energy

1, Rue Paul Martin 21220 Gevrey-Chambertin Tel: 00 (33) 3 80 58 32 00 Fax: 00 (33) 3 80 34 10 15

Energy.te.com

SIM063-Rev2 Energy PDF Feb 2012

PRODUCT DIMENSIONS



Aluminium range DPA...F (equipped with shear head)

Designation	TCPN	Conductor size (mm ²) Aluminium	Conductor Size (mm)	Dimensions (mm)			Tightening Torque (Nm)	Nbr of Screws x M size	Weight (g)	Standard Packaging
				A	L	H				
DPA 18-54F	709158-1	17,8 to 54	6 to 10	43	45	40	12	2xM8	90	3
DPA 18-95F	709159-1	22 to 93	7 to 12,5	43	55	45	22	2xM10	135	3
DPA 18-148F	709161-1	54,6 to 148	9 to 15	49	60	55	22	2xM10	165	3

Copper Range DPU...F (equipped with shear head)

Designation	TCPN	Conductor size (mm ²) Copper	Conductor Size (mm)	Dimensions (mm)			Tightening Torque (Nm)	Nbr of Screws x M size	Weight (g)	Standard Packaging
				A	L	H				
DPU 6-25 UF	709264-1	6 to 25	3 to 8	28	18	30	9	1xM6	50	10
DPU 6-50 UF	709265-1	6 to 50	3 to 9,5	34	39	35	12	2xM8	150	10
DPU 10-95 UF	709266-1	10 to 95	4 to 12,5	44	39	40	12	2xM8	200	10

Tightening instructions

- 1 – Tighten by hand until bodies are applied on the conductors
- 2 – Then with a wrench, tighten by half turn respectively on each bolt until the shear head breaks

Copper Range DPU (without shear head)

Designation	TCPN	Conductor size (mm ²) Copper	Conductor Size (mm)	Dimensions (mm)			Tightening Torque (Nm)	Nbr of Screws x M size	Weight (g)	Standard Packaging
				A	L	H				
DPU 6-25 U	708989-1	6 to 25	3 to 8	28	18	30	9	1xM6	-	10
DPU 6-50 U	708990-1	6 to 50	3 to 9,5	34	39	35	12	2xM8	-	10
DPU 10-95 U	708991-1	10 to 95	4 to 12,5	44	39	40	12	2xM8	-	10



While TE Connectivity (TE) has made every reasonable effort to ensure the accuracy of the information in this catalog, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications. AMP, Raychem, SIMEL, TE Connectivity and TE Connectivity (logo) are trademarks.

Tyco Electronics Simel S.A.S. – TE Energy

1, Rue Paul Martin 21220 Gevrey-Chambertin Tel: 00 (33) 3 80 58 32 00 Fax: 00 (33) 3 80 34 10 15

Energy.te.com

SIM063-Rev2 Energy PDF Feb 2012