



## INSULATION PIERCING CONNECTORS (IPC) FOR USE IN 1 kV TO 10 kV INSULATION CABLE SYSTEMS

### KEY FEATURES

- Suitable for aluminium and copper conductors
- Potential free tightening bolts allow safe installation on life lines
- Components not loose, end cap attached to body
- Connector teeth are factory greased and covered with a rubber seal to retard water entry and corrosion
- Contact plates made of tinned copper, bolt made of steel with Geomet (Chromium free) protection

TE Connectivity's (TE) Raychem insulation piercing connectors are designed for use in 1 kV to 10 kV insulation cable systems. The insulation material is made of weather and UV resistant glass fibre reinforced polymer.

The clip mechanical and electrical properties by the product are a result of high quality materials used to create it. Contact with the blade selects tin bronze alloy or a strong aluminum alloy, which ensures the optimal transition of contact area. The waterproof material is made of high quality rubber ring and silica gel to ensure years of quality. The increase of the glass fiber with insulation shell, achieves the optimal mechanical properties.

**Customers can count on consistent, high quality products, driven by TE's proven innovation and backed by our extraordinary customer support.**

## Insulation Piercing Connectors

Connectors type DZ6 meet requirements according to UL486 and ESI-43-14, including 4 kV voltage withstand test in air.



PRODUCT SELECTION INFORMATION						
Wire (mm <sup>2</sup> )		Description	Bolt	Bolt	The Rated Current	Length × Wide × High
Main	Tap		Number	Size	(A)	(mm)
<b>Insulation Piercing Connectors (1 kV)</b>						
16 - 95	4 - 35 (50)	KZ2-95	1	13	138	52 × 47 × 87
50 - 150	6 - 35	KZ2-150	1	13	138	52 × 47 × 87
25 - 95	25 - 95	KZ3-95	1	13	207	61 × 52 × 93
50 - 150	50 - 150	KZ4-150	1	13	239	61 × 52 × 93
120 - 240	25 - 120	DZ 6 UL_F	1	17	239	68 × 42 × 100
150 - 240	150 - 240	KZ5-240 D	2	17	712	135 × 84 × 121
<b>Insulation Piercing Connectors (10 kV)</b>						
16 - 95	16 - 70	MV95/70	1	13	320	95 × 61 × 52
95 - 240	35 - 95	MV240/95	1	13	393	129 × 80 × 55
95 - 240	35 - 95	MV240/95 G	1	13	393	129 × 80 × 55
120 - 240	95 - 185	MV240/185	1	17	600	130 × 84 × 62
185 - 300	150 - 240	MV300/240	2	17	712	135 × 84 × 121
<b>Fire-Resistant Insulation Piercing Connectors (1 kV)</b>						
16 - 95	4 - 35	FR KZ2-95	1	13	138	52 × 47 × 87
50 - 150	6 - 35	FR KZ2-150	1	13	138	52 × 47 × 87
25 - 95	25 - 95	FR KZ3-95	1	13	207	61 × 52 × 93
50 - 150	50 - 150	FR KZ4-150	1	13	239	61 × 52 × 93
120 - 240	25 - 120	FR DZ6	1	17	239	68 × 42 × 100

Other wire diameter application products available on request. Contact your local TE representative for details.  
 Rated current refers to the cable conductor reaches maximum allowed working temperature for a long time (PVC, polyethylene insulation is lower than 70 °C cross-linked polyethylene insulation is lower than 90 °C), through the IPC current.

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### FOR MORE INFORMATION: TE Technical Support Centers

USA:	+ 1 800 327 6996
France:	+ 33 380 583 200
UK:	+ 44 0870 870 7500
Germany:	+ 49 896 089 903
Spain:	+ 34 916 630 400
Benelux:	+ 32 16 351 731
Canada:	+ 1 (905) 475-6222
Mexico:	+ 52 (0) 55-1106-0800
Latin/S. America:	+ 54 (0) 11-4733-2200
China:	+ 86 (0) 400-820-6015