



Description

The waterproof insulation piercing connectors are suitable for majority types of LV ABC conductors as well as connections to service and lighting cable cores. When tightening the bolts, the teeth of the contact plates penetrate the insulation and establish a perfect contact. The bolts are tightened until the heads shear off. Tight torque guaranteed (fuse nut). Stripping of insulation is avoided.

Service condition: <1kV, 50/60Hz, -10°C to 55°C

Standard: IEC 61284, EN 50483, IRAM2435, NFC33 020

Material

Body: Thermoplastic polyamide 66 with fiberglass

Connecting bridge: Copper tinned, Brass tinned, Al

Sealing parts: Flexible PVC

End cap: Flexible PVC

Grease: Silica gel

Bolt: Hot dip galvanized steel, 8.8 grade Washer,

Nut: Hot dip galvanized steel

Fuse nut: Zinc alloy

Features

Tested for watertightness at a voltage of 6 kV for 30 min in a water bath

Potential free tightening bolts allow safe installations on life lines

Bimetallic, suitable for aluminium and copper conductors

Long neck 13 mm shear head nut ensuring reliable installations

Components not isolated, end cap attached to body

.Insulation material made of weather and UV resistant glass fibre reinforced polymer

1kV Insulation Piercing Connector



Type	Equivalent Type	Main line (mm ²)	Branch line (mm ²)	Max current (A)	Bolt		Torque nut
					Number	H(mm)	
SL041FJ	TTD041FJ	6-35	1.5-10	86	1×M8	13	F1309
SL051FJ	TTD051FJ	16-95	1.5-10	86	1×M8	13	F1309
SL101FJ	TTD101FJ	6-50	2.5(6)-35	200	1×M8	13	F1314
SL151FJ	TTD151FJ	25-95	2.5(6)-35	200	1×M8	13	F1314
SL201FJ	TTD201FJ	35-95	25-95	377	1×M8	13	F1318
SL251FJ	TTD251FJ	50-150	25-95	377	1×M8	13	F1318
SL271FJ	TTD271FJ	35-120	35-120	377	1×M8	13	F1318
SL281FJ	TTD281FJ	50-185	2.5(6)-35	200	1×M8	13	F1314
SL301FJ	TTD301FJ	25-95	25-95	377	2×M8	13	F1314
SL401FJ	TTD401FJ	50-185	50-150	504	2×M8	13	F1318
SL431FJ	TTD431FJ	70-240	16-95	377	2×M10	17	F1720
SL441FJ	TTD441FJ	95-240	50-150	504	2×M10	17	F1725
SL451FJ	TTD451FJ	95-240	95-240	530	2×M10	17	F1725
SL551FJ	TTD551FJ	120-400	95-240	679	2×M10	17	F1737