

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

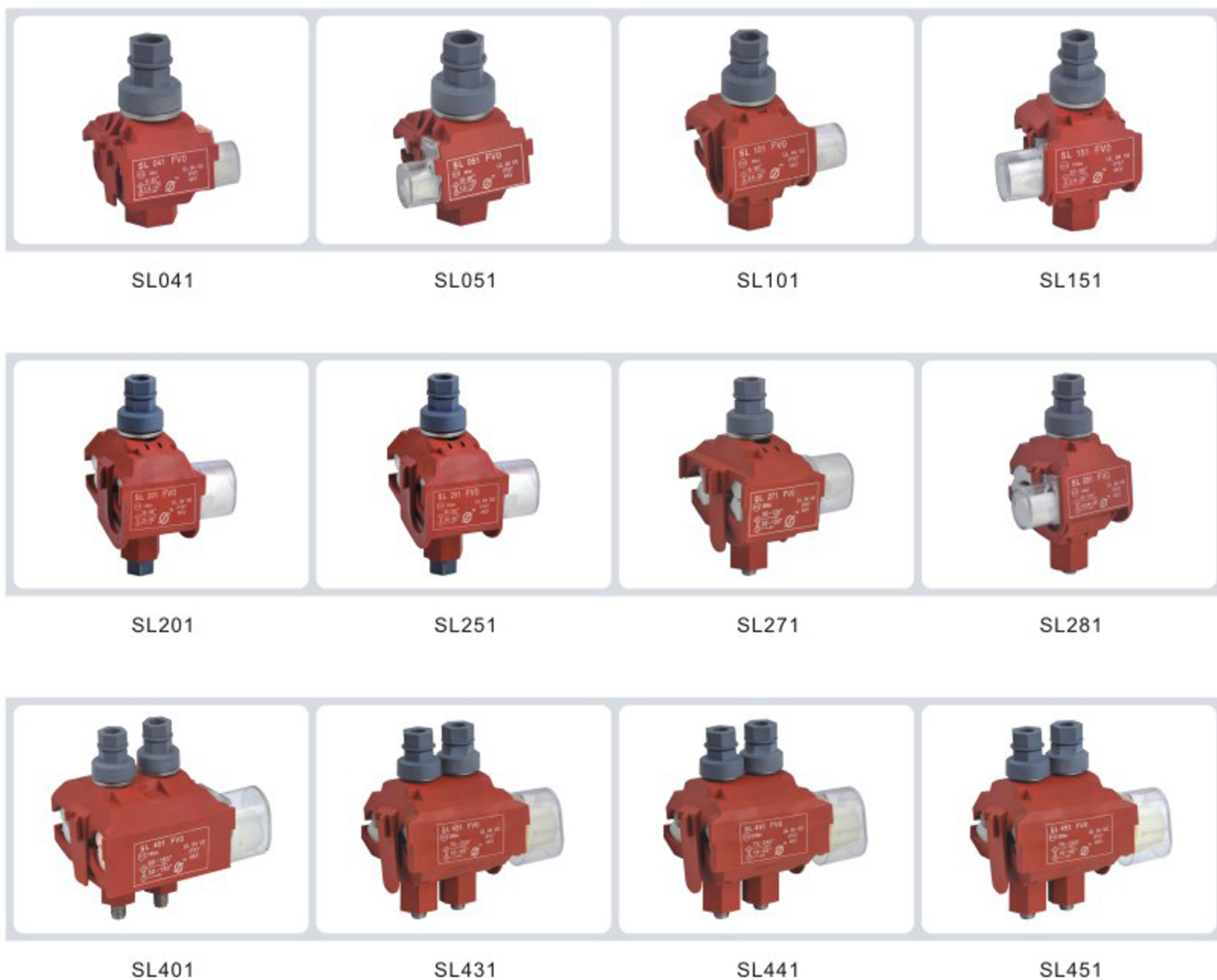
Standard: IEC 61284, EN 50483, IRAM2435, NFC33 020

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 SL1 Fire-retardant IPC Selection Table

Type	Equivalent Type	Main line (mm ²)	Branch line (mm ²)	Max current (A)	Bolt		Torque nut
					Number	H(mm)	
SL041FV0	TTD041FV0	6-35	1.5-10	86	1×M8	13	F1309
SL051FV0	TTD051FV0	16-95	1.5-10	86	1×M8	13	F1309
SL101FV0	TTD101FV0	6-50	2.5(6)-35	200	1×M8	13	F1309
SL151FV0	TTD151FV0	25-95	2.5(6)-35	200	1×M8	13	F1314
SL201FV0	TTD201FV0	35-95	25-95	377	1×M8	13	F1318
SL251FV0	TTD251FV0	50-150	25-95	377	1×M8	13	F1314
SL271FV0	TTD271FV0	35-120	35-120	377	1×M8	13	F1314
SL281FV0	TTD281FV0	50-185	2.5(6)-35	200	1×M8	13	F1314
SL301FV0	TTD301FV0	25-95	25-95	377	2×M8	13	F1314
SL401FV0	TTD401FV0	50-185	50-150	504	2×M8	13	F1318
SL431FV0	TTD431FV0	70-240	16-95	377	2×M10	17	F1720
SL441FV0	TTD441FV0	95-240	50-150	504	2×M10	17	F1725
SL451FV0	TTD451FV0	95-240	95-240	530	2×M10	17	F1725
SL551FV0	TTD551FV0	120-400	95-240	679	2×M10	17	F1737