



Pfisterer ISICOMPACT LV Branch Joint

For safe and secure tap connections with one single shear bolt

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Tapping off low voltage electricity supplies to premises has become safer, faster and easier with new Pfisterer ISICOMPACT connectors.

With just one shear bolt in the new Pfisterer ISICOMPACT connector it's now possible to clamp and connect all conductors with the right torque for a guaranteed connection. Pfisterer developed the new ISICOMPACT L30 and L40 single bolt connectors which are ideally suited to New Zealand cables. Unlike ring connectors the new ISICOMPACT units do not require insulation to be stripped from the branch conductors.

Once the ISICOMPACT moulded plastic body is assembled around the main cables and the four cores are locked in position, the service cable cores are simply aligned and inserted into their clamping apertures fully sheathed. There are no exposed live parts.

A single shear bolt then clamps all cores in unison. The bolt shears off when the right

torque is reached for the teeth to penetrate all the stranded conductors, locking the joints securely and making sure of a successful connection every time.

With a plastic body encasing the metal clamping system and no cores having to be stripped of their insulation, the new ISICOMPACT connectors take risk out of live work and speed up installation times.

Pfisterer LV Branch Joints incorporate the ISICOMPACT connector inside hinged polycarbonate shells filled with resin. Two generously dimensioned shells sizes are available, designed to accommodate a wide range of cable sizes and types, including large branch cross sections and armour cables requiring earthing and short circuit continuity kits. The shells are filled with polyurethane hard resin, or polybutadiene soft resin, which allows the joint to be re-entered if required.

LV Branch Joint Connectors

Hiko Code	Connector Type	Description	Main	Branch
			mm ² (sector stranded)	
KP1533	ISICOMPACT L30	Single shear-bolt ring connector	50-240	10-70
KP1534	ISICOMPACT L40	Single shear-bolt ring connector	95-240	70-150

Complete LV Branch Joint Kits

Hiko Code	Connector Type	Shells Size	Resin Type	Container	Main	Branch
KP8033	ISICOMPACT L30	140/420	PUR	Bag	50 - 240	10 - 70
KP8053		160/500				
KP8034	ISICOMPACT L40	140/420				
KP8054		160/500				

Resin & Shell Kits (without connectors)

Hiko Code	Shells Size	Resin Type	Container	Application Notes
KP8103	140 / 420	PUR	Bag	Accommodates either L30 or L40 ISICOMPACT connector
KP8105	160 / 500			Can be used to accommodate armour cables requiring earth and short circuit continuity kit

Notes

Shell sizes are given as diameter/length

Max cable diameters: 140/420: main 60 mm, branch 45 mm; 150/600: main 65 mm, branch 50 mm

PUR = Polyurethane (hard resin)

ISICOMPACT L30 and L40 connectors can be used with aluminium or copper cable: solid, stranded or fine stranded; application ranges and cable types are the subject of continuous development.

Other literature available on request

Reports, drawings, technical data sheets, installation instructions, O&M guidelines

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