

## Pfisterer ISICOMPACT LV Branch Joints

Four safe and secure tap connections with one single shear bolt



### 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 polypropylene 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 Joints: Connectors

Hiko code	Connector type	Description	Main	Branch
			mm <sup>2</sup> (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
					mm <sup>2</sup> (sector stranded)	
KP8013	ISICOMPACT L30	140/420	PUR	Can	50–240	10–70
KP8023			PBD FLEX			
KP8033			PUR	Bag		
KP8043			PBD FLEX			
KP8053		160/500	PUR	Can		
KP8063			PBD FLEX			
KP8073			PUR	Bag		
KP8083			PBD FLEX			
KP8014	ISICOMPACT L40	140/420	PUR	Can	95–240	70–150
KP8024			PBD FLEX			
KP8034			PUR	Bag		
KP8044			PBD FLEX			
KP8054		160/500	PUR	Can		
KP8064			PBD FLEX			
KP8074			PUR	Bag		
KP8084			PBD FLEX			

## Resin and shells kits (withouth connector)

Hiko code	Shells size	Resin type	Container	Application notes
KP8101	140/420	PUR	Can	Accommodates either L30 or L40 ISICOMPACT connector
KP8102		PBD FLEX		
KP8103		PUR	Bag	
KP8104		PBD FLEX		
KP8105	160/500	PUR	Can	Can be used to accommodate armour cables requiring earth and short circuit continuity kit.
KP8106		PBD FLEX		
KP8107		PUR	Bag	
KP8108		PBD FLEX		

### 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)  
 PBD FLEX = Polybutadiene (soft 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, therefore for guidance consult your Hiko representative.

### Other literature available on request

Type test reports, materials safety data sheet, installation instructions

For more information contact your Hiko Power Engineering representative  
 Hiko Power Engineering reserve the right to amend product details without notice.

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