



LV Branch Joints

ISICOMPACT. 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.

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Connectors

| Hamer 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 |

Resin and shells kits (withouth connector)

| Hamer code | Shells size | Resin type | | 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 | | |

Complete LV branch joint kits

| Hamer code | Connector type | Shells size | Resin type | Container | Main | Branch |
|------------|----------------|-------------|------------|-----------|-----------------------------------|--------|
| | | | | | mm ² (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 | | | |

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 Hamer representative.

Other literature available on request

Type test reports, materials safety data sheet, installation instructions

For more information contact your Hamer representative Hamer Limited reserve the right to amend product details without notice.

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