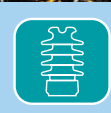


LV Network Essentials



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ECOPillar EP9
Compact
Service Pillar
PAGE 2

www.transnet.co.nz

NEW ECOPILLAR EP9 COMPACT SERVICE PILLAR



MADE IN NEW ZEALAND & TAILORED TO SUIT OUR CONDITIONS

COMPACT SERVICE PILLAR UP TO 7 FUSES

Designed and made right here in New Zealand, the ECO Pillar EP9 is a compact yet functional distribution pillar. Built from Rotathene 6329 UV stable plastic, the EP9 will take the knocks and come back for more. It's designed specifically for customers who demand safety, performance and unobtrusive good looks from their electrical reticulation systems. Internally, all components are industry standard and fit perfectly.

The EP9 has a compact installation footprint and flat sides making it perfect for locating close to fences. The contoured design with no sharp edges, can be ordered in a range of colours on request. This is an integrated system, designed by people in the industry for people in the industry.

FEATURES

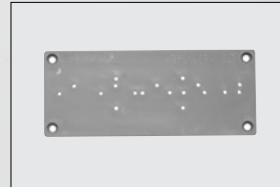
- 7 way fuse panel
- Removable Fuse Rack
- Customise with your company logo (conditions apply)
- Can be secured to concrete base
- Removing the fuse panel rack creates a comfortable working space for cable connection below
- Compact footprint

CUSTOMISATIONS AVAILABLE

- Lid details specific to your company's requirements
- Component kits based on usage requirements
- Alternate colours are available (conditions apply)
- Lock can be fitted
- Locate Neutral bar at front or back of rack



Removable mounting bracket



Drilled, removable, durable flame retardant PVC panels



Tinned 250A Copper neutral bar with stainless studs



Customise lid details for your Network



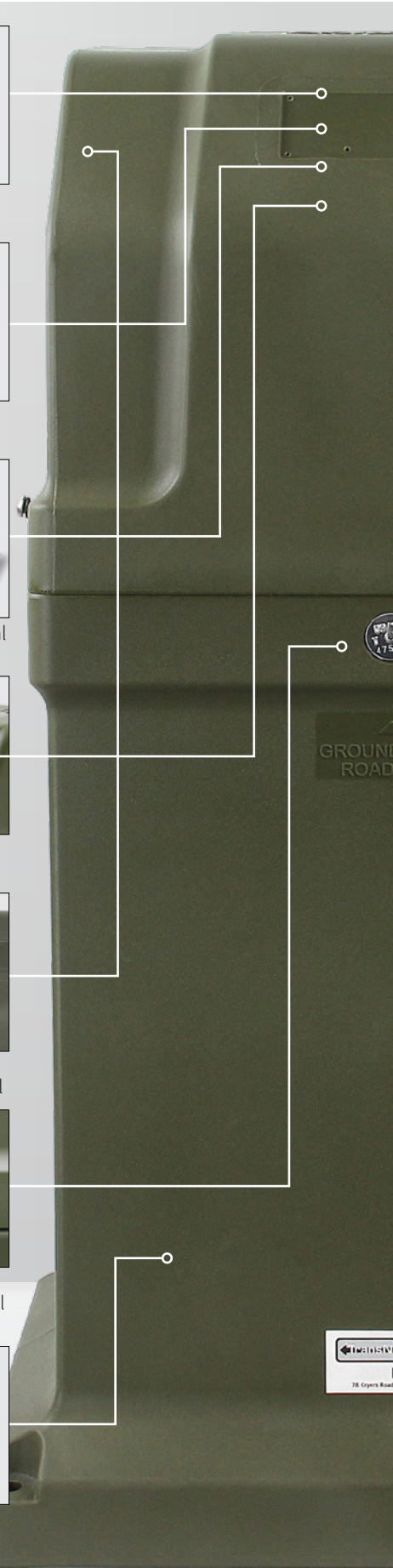
Integrated ventilation system for moisture control



Multiple fastening options depending on security level required

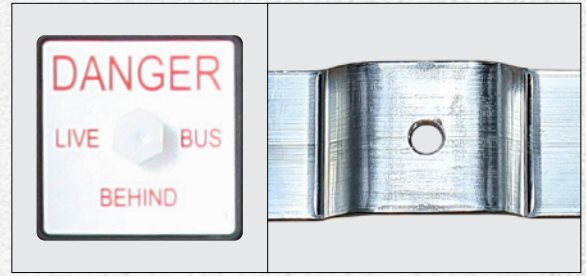


100% recyclable & contains recycled materials



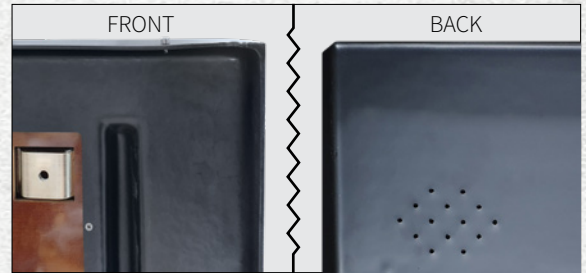


NEW LV FRAME



Touch safe covers

Tinned copper busbar



Fully enclosed bus system



FULLY INSULATED LV FRAME

- Easy, simple, safe access to connection points
- Fully enclosed bus system
- 6 way
- 800 amp rated
- Comes with accessory board
- Access covers for spare terminals
- Top or bottom supply
- Can be fitted with generator ports
- Increased clearance from live terminals

SAFETY BENEFITS

- Safe & easy to install
- Safe to operate
- Increased safety when adding circuits or working close to live feeders

SUITABLE FOR

- LV side of transformers
- Wall mounting
- LV distribution boards/kiosks
- LV cabinets





SUSPENSION CLAMPS

LV suspension clamps for ABC cable are available with a range of cable size capabilities. Some can accommodate 2 and 3 core cables as well as 4 core cables. Use for suspension of LVABC 25mm² to 150mm².

FEATURES

- Aluminium Alloy body with Stainless Steel hardware
- UV resistant Elastomer bushing
- Suitable for up to 30° line deviation

- For line deviation of 30° to 60° use with TNABC2XSUSBRKT
- Stainless Steel wear ring to protect suspension eyelet
- Tested to AS 3766-1990
- Suitable for 2C & 4C 25mm² - 150mm²

STRAIN CLAMPS

LV Termination clamps for ABC cable are available with a range of cable size capabilities. All clamps accommodate 2 core or 4 core cable making them the versatile choice. Use for the termination of LVABC 2 core* x 25mm² to 4 core 150mm².

FEATURES

- Tested to AS3766
- Removable clevis pin
- Bolted full tension clamp for LVABC
- Suitable for 2C to 4C 50mm² - 150mm²

MATERIAL

Wedges: Glass Filled Nylon
Hardware: Galvanised Steel
Straps: Aluminium or Galvanised Steel (depending on model)



LJTM LV INLINE TRANSITION JOINT KITS

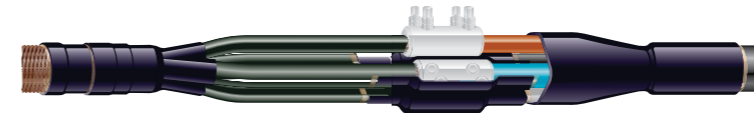
The Raychem LJTM range of LV transition joints up to 1kV combines the characteristics of the well-known, time tested and reliable Raychem heat shrink technology with the advantages of TE mechanical shear bolt connectors.

FEATURES & BENEFITS

- LV jointing system, with focus on range-taking up to 300mm²
- Fixed application ranges, with clear allocation for selection of mechanical connectors
- Use of the advanced Raychem WCSM insulation sleeves for unrestricted use of mechanical connectors
- Designed to meet DIN 47640 standard
- Wall thickness of insulation sleeves optimised to ensure mechanical and electrical strength over connectors
- Shear-torque-controlled more reliable mechanical connectors
- No shelf-life issues with main components
- Easy and fast installation
- Five kits available to cover cable range: 10–300mm²



Cat No.	Conductor Size (mm ²)	
	Plastic Insulated Cable	Paper Insulated Cable, Lead Sheath
LJTM-4X10-50	10–50	10–50
LJTM-4X35-95	35–95	25–70
LJTM-4X35-150	35–150	35–120
LJTM-4X95-240	95–240	95–185
LJTM-4X185-300	185–300	185–300



INSULATION PIERCING TECHNOLOGY

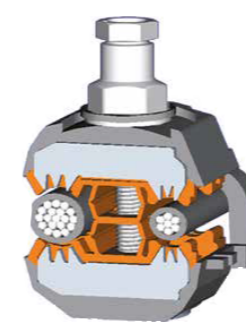
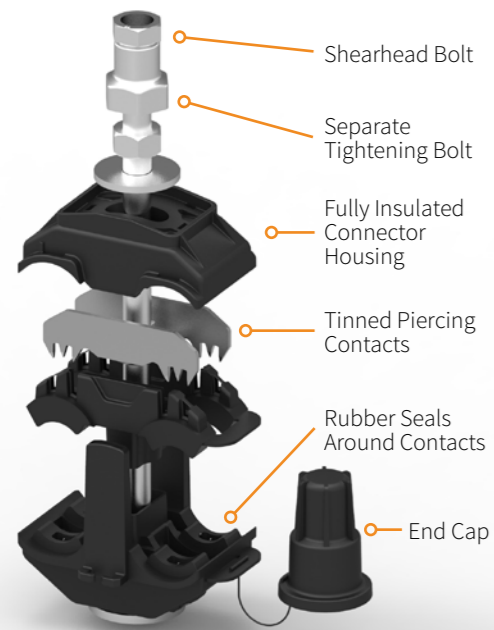
IPC Technology, like other connector technologies, has a specific place where they shine above all others. IPCs use a number of small contact points at a high pressure to ensure an exceptionally good electrical connection.

Over the years, IPC technology has been developed and tested to ensure it can accommodate heat cycling, climatic ageing, electrical resistance, water resistance and dielectric resistance. The Simel IPCs you'll find on networks throughout New Zealand and the world incorporate all these advancements as well as a range of added safety features.

All our connectors are designed and tested to fit the majority of cable types made in accordance with the European Standard HD 626, regardless if cables are insulated with XLPE, PE or PVC. These products are tested according to national specifications such as NFC, VDE, BS, ESI and where possible in accordance to CENELEC EN 50483-4.

FEATURES

- Designed for installation from -20°C up to +50°C
- Operation experience with temperatures ranging from -60°C up to +60°C
- No limitation of mechanical loads for main & branch conductors
- Shear head forces are adapted to the required contact forces for each application (main, service, lightning)
- Voltage withstand to 6kV in a 30cm waterbath
- No change in contact resistance and temperature after overloads and load cycling
- Voltage withstand to 6kV after heavy weathering exposure (UV-light, humidity and temperature cycling)
- Corrosion resistance of metal parts proven in salt fog chamber and wet SO₂ gas chamber

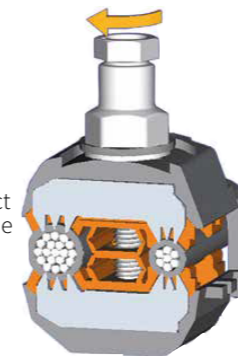


BEFORE INSTALLATION

Connector easily positioned over cables, no loose parts can fall to ground. The correct position of the branch conductor can be felt inside the end cap.

DURING INSTALLATION

Contact blades pierce the insulation and reliably contact the conductors. The tightening screw is insulated from the contact blades thus providing maximum safety for the installer even during live line installations.



AFTER SHEAR HEAD BREAKING

The shear head ensures that conductors are not damaged by too strong forces. The long neck prevents the head from hasty shearing off by naturally applied cantilever loads on the tightening tool. The seals firmly conform to the insulation to prevent any moisture ingress.

PRODUCT FEATURES:

- Shearhead bolts ensure correct connection pressure everytime
- Range taking capabilities reduce the inventory requirements
- Connectors accept both Al and Cu cable (unless specified)
- Completely seals around contact points for watertight connection
- By not stripping the cable, contact teeth can make contact with cable before oxidation takes place
- All connectors come with contact grease

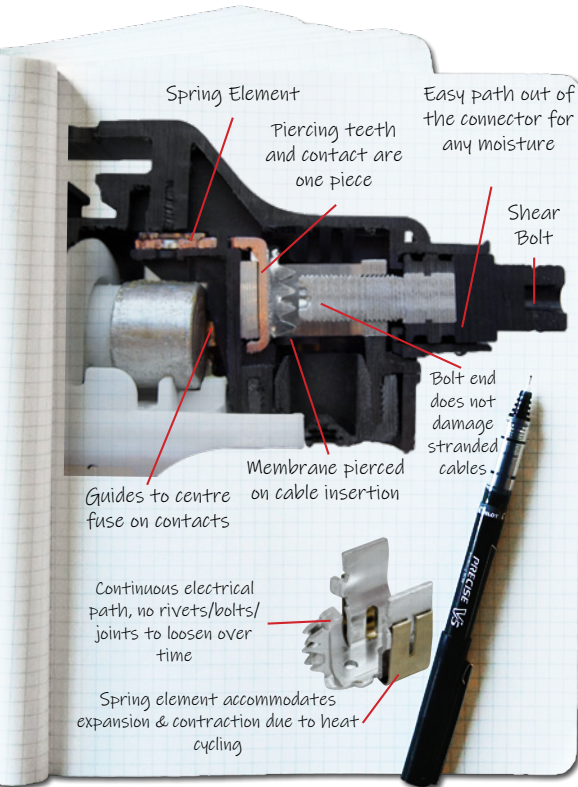
SAFETY FEATURES:

- Safe to install on live circuits (when manufacturers guidelines are adhered to)
- Tightening bolt separate to piercing contacts remains permanently de-energised
- Cable doesn't need to be stripped, protecting workers from exposed live cables
- Fully insulated housing for worker safety



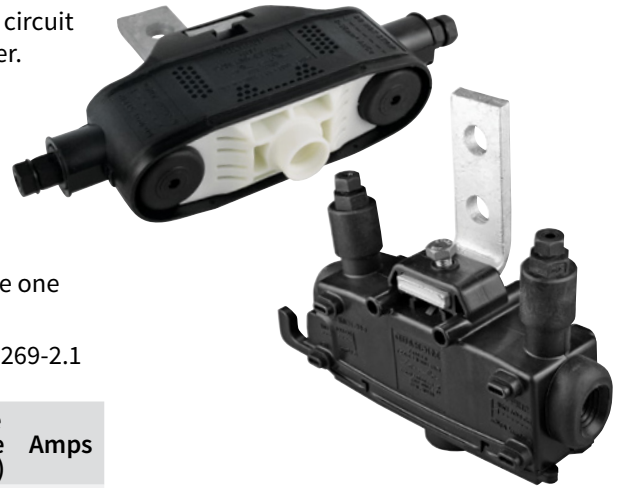


Michaud Fuse Switch Disconnects



These single phase devices are normally used as a house service fuses or isolation points. They provide electrical protection to either an aerial service supplying an individual customer or for a low voltage circuit of a pole mounted transformer.

- Up to 160A (K292 only)
- IPC for correct connection every time
- Shearhead bolt for exact torque & consistent install
- Piercing teeth & contact are one continuous piece
- Meets requirements of IEC 269-2.1



Cat No.	Fuse Link Style	Cable Range (mm ²)	Amps
K491	22X58MM	6-35	100
K291	BARREL	6-95	100
K292	NH00 DIN	6-95	160

MICHAUD

KGH LV OVERHEAD FUSE SWITCHES

Fully insulated | On-load switching capability | Corrosion proof | Suits standard hook-stick | Available in 160/250, 250, & 630A variations | Single & triple gang style available | Can be supplied with or without mounting bracket

KGH160

- Integral mounting bracket for bolting or strapping
- Takes size 00 NH fuse links or connecting links
- Rated operational voltage is 480V
- Can be mounted side by side, with ganged or ungang operation for two or three pole requirements

KGH250

- Extremely compact
- Three-pole units
- Individual, hinged terminal covers for maximum safety
- Takes size 1-2 NH fuse links
- Rated operational voltage is 450V
- Triple pole switch is supplied with mounting bracket

KGH400

- Extremely compact
- One or three-pole units
- Takes size 1-2 NH fuse links
- Rated operational voltage is 450V (630A with TNDIN2630A)
- Individual, hinged terminal covers for maximum safety
- Triple pole switch is supplied with mounting bracket





OPTIONAL 316 STAINLESS STEEL & GEOMET 321 COATED COMPONENTS



RBK HORIZONTAL



With optional stainless steel components



RBK Pro & ARS switch disconnects are designed for the distribution of electricity and protection of electrical equipment against short-circuits and overloads with industrial fuse links. They are suitable for installation in low voltage distribution boards, cable and metering cabinets.

RBK Pro & ARS can come with **316 Stainless Steel** & **GEOMET® 321** coated components in place of the plated components, providing high corrosion resistance for coastal environments – ask us for more info.

RBK PRO FEATURES

- Thermoplastic parts made of fibre glass strengthened polyamide with halogen-free flame retardant added and with the highest possible flammability class -V0
- Three pole main base with spring-loaded contacts designed for connection of circular or sector-shaped conductors
- Conductors with lug terminals or bars
- Removable cover with fuse links
- Arc chutes with steel deionization plates over top contacts
- Silver plated contacts provide low power loss

MOUNTING

- On mounting plate
 - RBK 00 Pro
 - RBK 1 Pro
 - RBK 2 Pro
 - RBK 3
- On double DIN rail
 - RBK 00 Pro

ARS FEATURES

- Made using self-extinguishing polyester & polyamide reinforced with fibre glass
- Silver plated contacts provide low power loss
- Clamps connect directly to wires with bare ends or cable terminals
- Complete substitute for DIN standard products
- Independent manual control device
- 50mm & 100mm width options
- IP20 rated
- Provided with clamps and covers for output terminals

This range conforms to EN 60947-1, EN 60947-3, IEC 60947-1 and IEC 60947-3 standards.



ARS VERTICAL

LV Mains Branch Joints

The Right Gear For The Job



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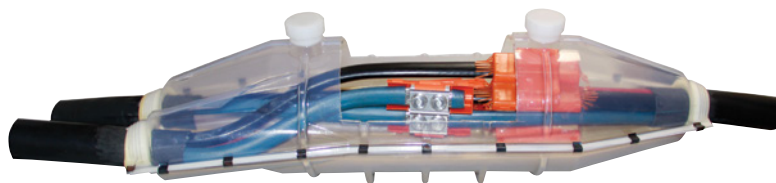
TBJ LV RESIN MAINS BRANCH JOINT KITS

DESIGNED FOR SIMPLICITY

TE Connectivity's New Generation LV Mains Branch Joints offer all the latest technology in one box. These TBJ kits accommodate 4 core XLPE, PVC & SWA or STA cables; solid, stranded, sector & round – Copper & Aluminium from 70–300mm² in just three units.

FEATURES

- The vacuum formed shell gives more room to accommodate the larger cables – up to 300mm².
- Kits are range taking so main and branch cable can be different sizes if necessary.
- The holes on the brush covers allow the resin to flow freely and encapsulate the connector and the shroud.
- The orange brush covers are rated to 5000V and offer a reliable and robust alternative to insulating patches. They reduce installation time and the risk of flashover while live jointing.
- UBR Connectors will accommodate solid, stranded, round and sector cables.
- Joint can be buried quickly, RAPID RESIN 4300 will gel after 15mins at 23° and has a curing time of 3hrs at 23° and 15mins at 80°.
- UBR connectors are tested to international standard IEC 61238-1. The moulded insulation shroud is tested to 5kV AC and 1kV DC.
- Connectors are Bimetal, simply wrap copper conductors in brass gauze.

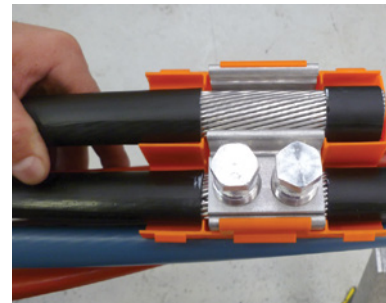


Cat No.	Conductor Size		Cable Entry Diameter (mm)	
	4C Main Cable	4C Branch Cable	Min.	Max.
TBJ-1	70-150	70-150	35	67
TBJ-2	185-240	185-240	48	70
TBJ-3	300-300	300-300	70	77

For more information on these kits or for neutral screen or PILC kits please contact your local account manager or customer service.



Raychem
from TE Connectivity



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