

LV JUICE



LIGHTER. SAFER. STRONGER. CHANNEL BULK PITS

BULK's lightweight design and reduced weight compared to concrete, polymer concrete, and many other body materials protects the safety of installers while shortening installation times. Also, cutting BULK body ducts in the field produces no harmful dust contaminants which could lead to installer respiratory issues.

- HDPE body for easy field alteration while eliminating water absorption & material degradation
- **Ribbed sidewall** secures body into backfill soil & eliminates sidewall deflection
- Straight wall design improves lid load strength
- Can be installed in roadways (with correct lid variant)
- SHIELD lids with patented Anti-Slip tread design are designed to meet or exceed **150kN** load
- Ductile Iron lids are designed to meet or exceed **250kN** load
- Flush mounted sidewall racks & mounting studs (BULK 1-9)
- 4 lifting points & 8 multiple conduit points at each end (BULK 9)

TESTED TO THE HIGHEST STANDARDS

- AS/NZ 3996:2006 Class B (Pathway) & Class C (Roadway)
- European - EN124 Class B125/C250
- AS/NZ 4586
- Vertical Centre Load Test
- Side Wall Load Test
- Box Lateral Side Wall Load Test



Test reports are available on request.



This Month

FREE PACK OF COOKIES (ASSORTED)

WHILE STOCKS LAST



When you spend over \$300 (+GST) on one invoice this month

www.transnet.co.nz

LV FUSES BY TE PAGE 2

RAYTEC SPARTAN SPX-WL84 ZONE 1 LINEAR LUMINAIRE PAGE 5

PREPARE FOR AN EV FUTURE PAGE 8



**NH NS TIA TIS TCP TFP TBC TC TF
TKF JHU JPU JSU CYLINDRICAL**

TE Connectivity's huge range of LV Fuses is IEC Approved and manufactured to the highest quality standards. Our stock is available with voltage ratings of 500, 550 & 690V AC, gG,Q1 & gG/gL classes, 80, 100 & 120kA rated breaking capacities, and Standard Specifications BS88-2 & IEC/EN 60269-2-1.



**STAGGERED • CENTRAL • OFFSET
• BARREL • J TYPE • DIN**



TRANSNET MONTHLY GIVEAWAY SUPPORTING KIWI BUSINESSES

This month's giveaway comes from a tight-knit family owned and run Kiwi business. This environmentally conscious company works closely with the hospitality industry to reduce waste by recycling the plastic bottles and tubes

their products are supplied in. They are constantly researching to stay ahead of the curve with developments and changes and, like us, also try to source local where possible enabling other kiwi businesses to grow. We sampled all three

types of cookies on offer this month and we have to say we're big fans! Put your feet up and stick the kettle on, it's time to have a cuppa and start dunking.





LV BI-METAL MECHANICAL LUGS

A TRULY BIMETALLIC FRICTION WELDED CONNECTOR

VCXI lugs consist of an aluminium barrel linked to a copper palm by friction welding technology. The aluminium barrel is provided with a shear head bolt controlling the tightening torque.



**VERSATILE
RELIABLE
QUICK**

**Compact
Palm**

FEATURES & BENEFITS

- Accepts aluminium and copper cables
- Copper palm compatible with the palms of the apparatus to be connected
- 5 lugs will connect from 25 to 500mm
- Can be fitted into the new generation of compact type circuit breakers
- Inner surface of aluminium barrel is grooved at the manufacturing stage and greased to ensure a good electrical contact with wire to be joined
- Tightening torque controlled by shear head system
- No special tooling needed
- Only one bolt to tighten

APPLICATIONS

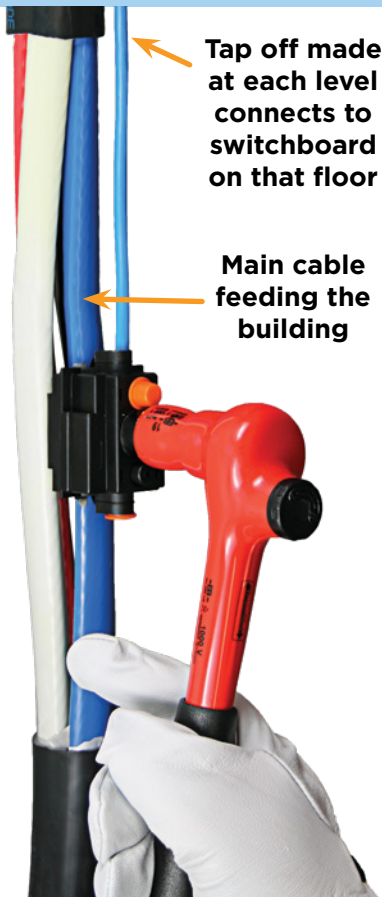
- For indoor LV applications up to 1kV
- LV connection on busbar inside electrical panel and on compact type circuit breaker (new generation)

Complies with IEC 61238-1 class B for electrical tests, IEC 61238-1 for tensile tests.

Cat No.	Cross Section Range (mm ²)		Stud Size
	Aluminium	Copper	
VCXI-11-M6	25-70	25-50	M6
VCXI-14-M10	50-120	50-95	M10
VCXI-18-M10	95-185	95-120	M10
VCXI-22-M12	150-300	150-185	M12
VCXI-29-M16	240-500	240	M16



MSIP MECHANICAL CONNECTORS



Tap off made at each level connects to switchboard on that floor

Main cable feeding the building

Used in multi-level buildings where a tee-off from a main conductor to the switchboard on each floor is required, these connectors are fast and simple to

install. They enable a connection to the main conductor without cutting it, thus reducing resistance.

FEATURES

- Can be installed on to LV mains cable under live working conditions (following suitable procedures)
- Insulation piercing connection
- Up to 300mm² main & up to 2x35mm² service conductors
- Fully shrouded connector body
- Shear head bolt, detaches once correct torque is reached
- Designed and tested to IEC 61238-1
- Range taking capabilities
- Two sizes cover 50mm² - 300mm² main



Cat No.	Dimensions (mm)			Application Tool	Main Conductor (mm ²)	Take Off Connector Size Range (mm ²)
	L	H	W			
MSIP185	83	60	48	19MM SOCKET,	50-185	2 x 4-35
MSIP300	83	60	55	3MM ALLEN KEY	185-300	2 x 4-35



All Specials and Products featured in TRANSNET JUICE are available from all good electrical wholesalers.



LEDIL58

LED INDUSTRIAL & COMMERCIAL HIGH BAY

The LEDIL58-150AC-MS is a glass free high bay that delivers exceptional performance with a high lumen output using 140lm/W Luxeon LED driven by Mean Well 1-10V driver.

This high bay has inbuilt light and microwave motion sensor located in the centre of the IP66 fitting that is easily adjusted using a remote control (product code: LEDIL58-REMOTE).

The preset/default settings of the sensor should suit most workshop, warehouse and production area requirements.

TECHNICAL SPECIFICATIONS

CAT NO.	LEDIL58-150AC-MS
POWER CONSUMPTION	150W
FIXTURE LUMENS	21,000lm
LED LIGHTING EFFICIENCY	140lm/W
COLOUR TEMPERATURE	CW: 5700K
COLOUR RENDERING (RA)	>80
BEAM ANGLE	120°
DRIVER	Mean Well HLG-150H-48B
IP RATING	IP66
CALCULATED L70/B10	>62,000 hours
LED ARRAY	Luxeon 30/30
IMPACT RESISTANCE	IK10
AMBIENT TEMPERATURE	-40°C to +40°C
POWER FACTOR	0.95
BODY WEIGHT	5.9kg
SIZE (MM)	447mm diameter, 125mm height
INPUT VOLTAGE	90-305V AC
MATERIAL	Magnesium alloy housing, PMMA lens
COATING	Anti-corrosion powder-coat
CABLES	White 3 Core flex, 2m length terminated with NZ plug for easy plug & play



10-15m high altitude



Remote control setting



Stand-by dimming level



On/off control



Detection area



Hold-time



Daylight sensor



Stand-by period



SPARTAN



SPX-WL84



FLOOD



LINEAR



BULKHEAD



BAY

The SPARTAN Linear range is designed specifically for use in new hazardous area installations or to retrofit existing fluorescent installations which require high performance, reliable, White-Light illumination.

Housed in marine grade aluminium and using Raytec's field-proven, long-life LED technology, SPARTAN Linear is ATEX and IEC Ex approved for all Zone 1/21 applications (Zone 2/22 variants also available). SPARTAN Linear's overall dimensions, fixing centres and gland entries are all compatible with traditional Ex e 2x18W fluorescent luminaires, so end users can upgrade to LED easily.

SPARTAN Linear is available as an intelligent emergency variant which self-tests the emergency battery to proactively monitor and maintain the overall health of the luminaire and provides class leading emergency performance. A unique modular design means key components are easily accessible, making inspection and maintenance quick and easy. CoolExtrude™ thermal management technology ensures the luminaire runs cool, providing up to 60% better heat dissipation compared to conventional lighting, allowing the product to operate for 10+ years while still delivering a high lumen output of 3,050 lumens.

- ATEX and IEC Ex approved – Zone 1/21
- ABS approved
- Zone 2 variants and C1D2 variants (UL/CSA) available
- Intelligent Emergency variants - Up to 100% light output
- Retrofittable
- Ultra long life, high lumen output LEDs
- Easy installation, maintenance and inspection
- Wide operating temperature range -40° to +55°C

Features

Benefits

Retrofittable	Easy Installation, matching the dimensions of traditional 2x18W fluorescent fittings, to provide an easy direct replacement Equivalent Output to a 2x18W fluorescent
Intelligent Emergency	Self-testing emergency battery proactively monitors & maintains the overall health of the luminaire Easy inspection thanks to a tri-colour LED indicator
Modular Design	Both the LED & PSU modules are easily accessible for maintenance and inspection
Ultra-Powerful	High lumen output – up to 3,050 lumens
Ultra-Reliable	Industry leading 5 year warranty Designed & manufactured in the UK to the highest standards including both ISO9001 & ISO14001 Intelligent emergency with automatic self-testing
Ultra-Efficient	CoolExtrude™ thermal management delivers class leading energy efficiency Significant running and maintenance savings compared to traditional lighting technologies SMART access wiring system for safe and efficient installation, set-up and ongoing inspection



Easy Maintenance

Automated Testing





LOW SMOKE ZERO HALOGEN GLANDS



With an increase in the amount of cable installed in residential, commercial, industrial, public buildings, rail tunnels, and underground mining operations, the specification of Low Smoke Zero Halogen LSOH cables and accessories is increasingly becoming a mandatory requirement.

During a fire, LSOH cables will emit less optically dense smoke which makes exiting a space easier for its occupants as well as increasing visibility during firefighting and rescue operations. With zero halogen cables, the chance of toxic gases accumulating which are life-threatening to people and corrosive to computer-controlled systems is significantly reduced.

CCG has a full range of LSOH cable glands and shrouds which have been tested and certified to EN 45545-2 and IEC 61034-2 – low smoke and IEC 60754-2 – halogen-free standards.

CCG's LSOH range of cable glands and shrouds meet the London underground fire safety standards and have the London underground approval number LU-3043. They are precision manufactured from high quality brass (nickel plated) and available in aluminium or stainless steel 316/316L on request.

In order to match the LSOH characteristics of the cable, it is necessary for the seals, gaskets and shrouds of cable glands to perform to the same LSOH standards of the cables. These LSOH glands come complete with heavy duty locknut and fire retardant, low smoke zero halogen, extreme temperature thread sealing gasket

A2

CW

E1W

A2 COMPRESSION GLAND FOR UNARMoured FIRE RATED CABLE

- Silicon seals are fire retardant, low smoke zero halogen and are suitable for extreme temperatures
- Suitable for indoor and outdoor use
- Seals the cable sheath to IP65/66/68

CW CAPTIVE COMPONENT GLAND FOR SWA & ALUMINIUM ARMoured FIRE RATED CABLE

- Silicon seals are fire retardant, low smoke zero halogen and are suitable for extreme temperatures
- For indoor and outdoor use. Two-piece handling, no loose parts
- Freely rotating captive cone and inspectible cone ring, providing an armour clamp and earth bond without twisting the armouring
- Patented disconnect armoured clamp system for ease of inspection
- Provides a seal on the outer sheath of the cable sealing to IP65/66

E1W CAPTIVE COMPONENT GLAND FOR SWA & ALUMINIUM ARMoured FIRE RATED CABLE

- Silicon seals are fire retardant, low smoke zero halogen and are suitable for extreme temperatures
- For indoor and outdoor use. Two piece handling, no loose parts
- Freely rotating captive cone and inspectible cone ring, providing an armour clamp and earth bond without twisting the armouring
- Patented disconnect armoured clamp system for ease of inspection
- Provides a seal on the inner and outer sheath of the cable sealing to IP65/66/68

CCG[®]
CABLE TERMINATIONS



MD9226

AC/DC 600A TRMS

CURRENT CLAMP

\$356.80+GST

The MD9226 has a wide range of extra features, including peak value, data and MAX hold functions, auto power off, auto-ranging and a relative zero function.

KEY FEATURES

- Auto-ranging
- Automatic, non-contact detection of electromagnetic fields to locate and trace live conductors
- Data hold function
- MIN/MAX/AVG function
- Peak value
- Relative zero
- 35mm jaw opening
- CAT IV / 300 V, CAT III / 600 V overvoltage categories
- LCD backlit display, 3-5/6 digit, 6000 count

MEASURING FUNCTIONS

- DC and TRMS AC voltage up to 600 V, current measurement up to 600A
- Resistance, frequency & capacitance measurements
- Acoustic continuity test
- Diode test



FEATURES & BENEFITS

- Direct display without activating a pushbutton – high-resistance test
- Load connection via pushbutton – low-resistance test
- Continuity test via buzzer and LED and/or LCD
- Vibration alert in tester handle
- Illuminated measuring point
- Rugged housing with rubberized grip
- Impact resistant, dust-tight and splash protected housing (IP64)
- LED torch for dark areas
- RCD tripping function
- 3-phase rotating field test
- Single pole phase test
- Continuity test
- Voltage indicator
- Polarity test



M611E

DUSPOL VOLTAGE & CONTINUITY TESTER

\$176+GST

PREPARE FOR AN EV FUTURE

EV Charger Pedestal Supply Pit



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When laying carpark and footpath pavement making allowance for future EV charging installations is a must. EVC-PEDESTAL-PIT is essentially a pre-installed base for a pedestal to fasten to as well as a placeholder and duct termination point. An electrician can simply run cable in the existing duct and terminate to a pedestal that bolts into place without additional preparation work, saving precious time, money, and the need to open and reinstate pavement already in place.

APPLICATIONS

- Public/Council carparks
- Commercial properties
- Retail precincts
- Apartment Blocks

FEATURES

- Allows for future installations without messy reinstatement of pavements
- Fast and easy for electrician to install and terminate pedestal and chargers
- Safe for pedestrians while not in use (compliant with BS5834 Part 2 Pavement Loading)
- Lockable lid for security
- Easily reinstate lid if moving - take your chargers and pedestals with you



DIMENSIONS

- Ground Level Lid: 190x245mm
- Frame: 600mm deep

KITSET COMPONENTS

- Bottom plate
- 4 x 600mm threaded rod, spring washers and nuts
- Top plate with threaded nuts for pedestal fixing
- Plastic enclosure and lid
- Levelling nuts and studs for pedestal installation

This pedestal supply pit can sit idle until you decide it's time for EV infrastructure to be installed. Then follow five simple steps to get the job done!

PART NUMBER: EVC-PEDESTAL-PIT



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