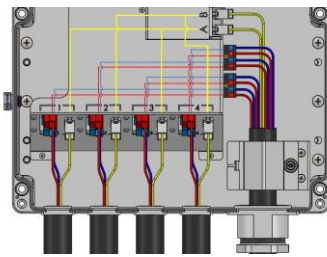
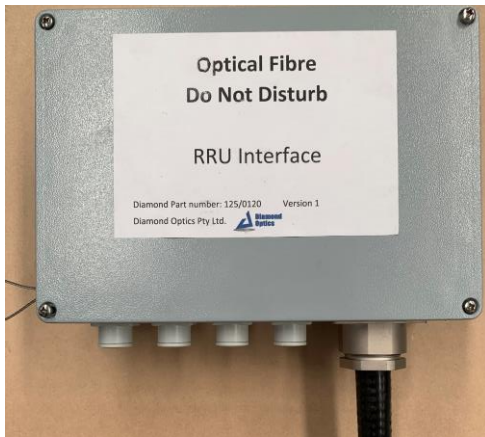


Hybrid Junction Box mobiles, Quad outlet

Model: 125/0120

Telstra S/I number: 40011068

FEATURES



Easy Installation Connectivity

- Modular hybrid system
- Heavy duty mounting bracket system for pole and wall mount.
- Up to 24 optical fibres in high performance MTP elite connectivity.
- All DC cabling AWG 7 supports >50 Amps (AS3000 standard)
- High-power electrical contacts 40 Amps @ -48V
- Designed to meet Australian conditions
- Captive protection caps on all ports
- Earth lug externally mounted
- Breather pressure regulator

Durable Material

- Powder-coated aluminum enclosure and plated bulkheads
- IP68 rated (when mated)
- Includes 316 stainless steel mounting bracket and accessories

Customized product

- Options are available upon customer's requirement

APPLICATIONS

The Diamond Optics Junction Box is applied on mobile masts or buildings servicing up to four Remote Radio Units (RRUs) from a single hybrid trunk cable (4 power pairs). It provides fibre connectivity through the CIPRI optical physical connection and -48V power integrated through the hybrid incoming and outgoing connectors.

The main connector houses the relevant pairs of power connections in addition with the 24 cores of fibre-optic connectivity through an MTP elite performance interface.

All output ports interface to the hybrid jumper cable through the base outlet ports which house one pair of power contacts and allows for connectivity to one MTP elite angled high-performance interface. This interface is tailored to meet customer requirements for optical connectivity 1 to 12 ports.

The bracket provided is 3mm 316 stainless steel construction and features a quick connect system to enable quick, reliable mating between the junction box and the pole or wall. Once mated and torqued to the correct setting, the nut will maintain reliable long-term performance. Application notes are provided with this product.

Other Related Products

- Hybrid jumper cable assemblies (see datasheet for configuration options)
- Main cable assemblies 20-100m at 10m increments as standard or specific lengths as requested.
- Base station connectivity solutions, High density 1RU LGX style sub-rack with MTP elite to LC cassettes fibre storage trays/wall boxes and Grade A fibre optic patchcords.

SPECIFICATIONS

Construction		4 RRU
Part Number		125/120
Size (mm)	Depth	125
	Length	230
	Width	330
Weight (kg)		8.2
Material		Powder coated Aluminum
Color		Grey
Mounting Bracket		Pole Mount / Wall Mount
Input Trunk Cable Connector	DC Range	10.5mm ²
	Quantity	X4 power x1 MT elite 24 port
Output Jumper Connectors		X4 power (2 single x 2 duel feed) X 4 MT elite 4F and 8F each
OPTICAL PERFORMANCE		
Insertion Loss at 1310nm and 1550nm		Typ. 0.16 dB Max. 0.5 dB
Insertion Loss at 1310nm and 1550nm		Better than 60dB
POWER PERFORMANCE		40A: Temperature rise <15°C at full power
ENVIRONMENTAL PERFORMANCE		IP67 (unmated) IP68 (mated)
Temperature	Operating	-30 - +90°C
	Installation	-20 - +60°C