

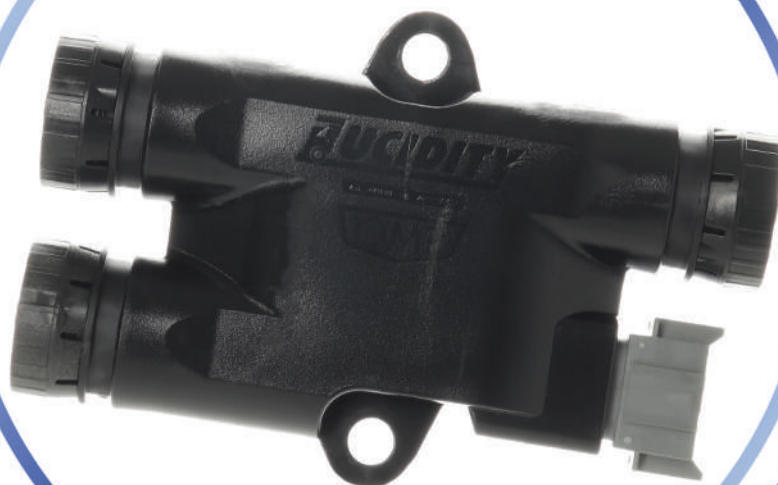


Our vision, your safety

Semi Trailer Electrical Components OMP Catalogue 2023-2024



Designed in Australia



www.lucidityaustralia.com.au

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The OMP Range

The OMP Range

Developed by Lucidity Australia with every aspect of the transport industry in mind, the OMP system is a complete solution that allows all lighting and electrical elements of a trailer to plug into a common series of connectors and can be adapted to operate multiple sockets on the front and rear of the truck.

The concept evolved from problems raised by truck drivers, fleet owners and manufacturers spending too much time replacing or installing electrical and lighting components. Previously the process of installing lighting and wiring hardware required an auto electrician, not any more, with Lucidity Australia's new OMP plug-in socket kits which are compatible with all current 12V and 24V plugs. With this plug-in technology, transport operators wire once and don't wire again, guaranteeing reduced installation time and costs.

The OMP system can operate side and front markers, license plate and work lamps, beacons and rear combination lamps. Direct interface to battery charging hardware and voltage boosters, which are commonly found on many trailers, is also done using the OMP system. The connectors are all colour coded for easy replacement, and water resistant to prevent corrosion.

"The Design has been completely thought through from sockets to side markers. The OMP range means fewer working hours to install for manufacturers, and lower maintenance costs as components are fast to replace. We've shown many manufacturers and owner drivers this concept since the beginning and the reaction has been great. We can meet the demands of any combination of lighting wiring and or hardware with simple plug-ins." Mathew Jenkins, President, Lucidity Australia."

Moulded Junction

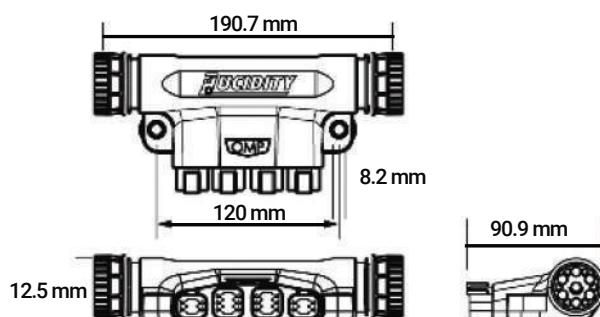
- Replaces the use of conventional Junction Box installations
- IP66 Rated
- Can be fitted to any OMP installation
- No assembly time required
- Pre assembled cables available
- Road Train Capable
- DG Approved

ADR42 / AS2513



136224102011

Part No.	136224102011
Key Features	
Connection Method	Deutsch DT Connectors & 7 Way OMP Connectors
IP Rating	IP66
Dangerous Goods Ready	Yes
Construction	Heavy Duty
Mounting Option	Stauff Clamp
Amperage Rating	Deutsch Connectors 13Amps at 12 Volts

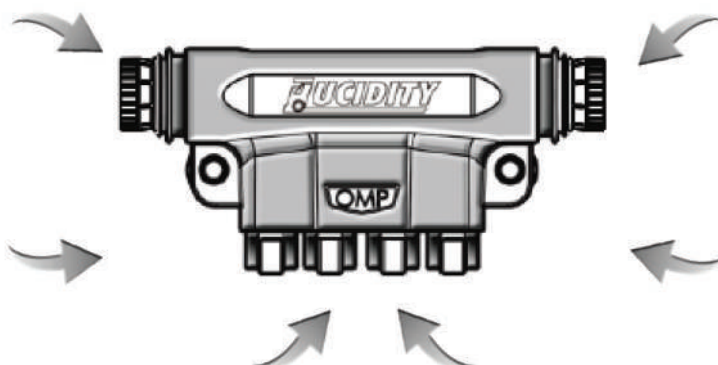


Typical semi-Trailer Wiring Instruction

Connection Diagram / 7 Way

Pin No.	Function	Colour	Size
1	Left Turn	Yellow	65/0.32
2	Reverse	Black	65/0.32
3	Earth (Ground)	White	65/0.32
4	Right Turn	Green	65/0.32
5	Auxiliary	Blue	65/0.32
6	Stop	Red	65/0.32
7	Park	Brown	65/0.32

Pin No.	Function	Colour	Size
1	Earth (Ground)	White	19/0.24
2	Park	Brown	19/0.24
3	Earth (Ground)	White	19/0.24
4	Reverse	Black	19/0.24



Pin No.	Function	Colour	Size
1	Left Turn	Yellow	65/0.32
2	Reverse	Black	65/0.32
3	Earth (Ground)	White	65/0.32
4	Right Turn	Green	65/0.32
5	Auxiliary	Blue	65/0.32
6	Stop	Red	65/0.32
7	Park	Brown	65/0.32

Pin No.	Function	Colour	Size
1	Earth (Ground)	White	19/0.24
2	Park	Brown	19/0.24
3	Earth (Ground)	White	19/0.24
4	Auxiliary	Blue	19/0.24

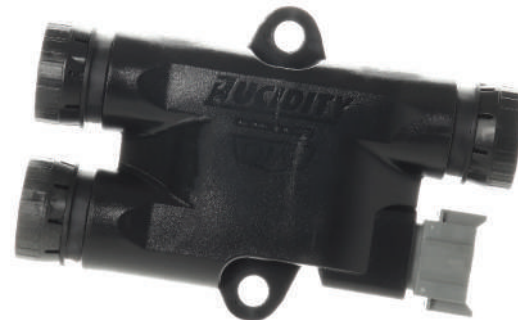
Pin No.	Function	Colour	Size
1	Park	Brown	19/0.24
2	Stop	Red	19/0.24
3	Right Turn	Green	19/0.24
4	Reverse	Black	19/0.24
5	Left Turn	Yellow	19/0.24
6	Earth (Ground)	White	19/0.24

Pin No.	Function	Colour	Size
1	Park	Brown	19/0.24
2	Stop	Red	19/0.24
3	Left Turn	Yellow	19/0.24
4	Reverse	Black	19/0.24
5	Right Turn	Green	19/0.24
6	Earth (Ground)	White	19/0.24

Dual Output Moulded Junction

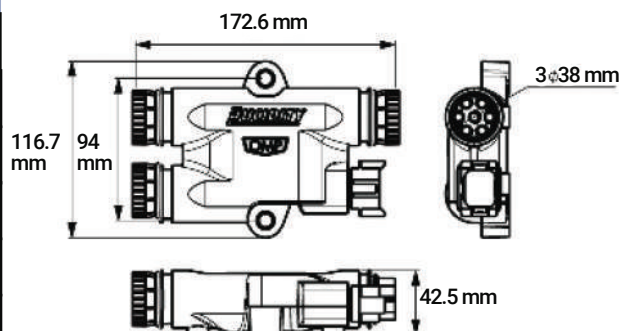
- Replaces the use of conventional Junction Box installations
- IP66 Rated
- Can be fitted to any OMP installation
- No assembly time required
- Pre assembled cables available
- Road Train Capable
- DG Approved

ADR42 / AS2513



136231102031

Part No.	136231102031
Description	Dual Output Moulded Junction
Key Features	
Connection Method	Deutsch DT Connectors & 7 Way OMP Connectors
IP Rating	IP66
Dangerous Goods Rated	Yes
Construction	Heavy Duty
Mounting Option	Stauff Clamp
Amperage Rating	Deutsch Connectors 12 Amps at 12 Volts OMP Connectors 30 Amps at 12 Volts



Typical semi-Trailer Wiring Instruction

Connection Diagram / 7 Way

Pin No.	Function	Colour
1	Left Turn	Yellow
2	Reverse	Black
3	Earth (Ground)	White
4	Right Turn	Green
5	Auxiliary	Blue
6	Stop	Red
7	Park	Brown



7 Way

Pin No.	Function	Colour
1	Left Turn	Yellow
2	Reverse	Black
3	Earth (Ground)	White
4	Right Turn	Green
5	Auxiliary	Blue
6	Stop	Red
7	Park	Brown

7 Way

Pin No.	Function	Colour
1	Left Turn	Yellow
2	Reverse	Black
3	Earth (Ground)	White
4	Right Turn	Green
5	Auxiliary	Blue
6	Stop	Red
7	Park	Brown

Part No.	
196408081722	DT06-08SA-E008
19641208172	W8S - SUITS DT06-8S



196408081722

8 Way DT

Pin No.	Function	Colour
1	Left Turn	Yellow
2	Reverse	Black
3	Earth (Ground)	White
4	Right Turn	Green
5	Auxiliary	Blue
6	Stop	Red
7	Park	Brown
8	Earth (Ground)	White

T-Junction

- Replaces the use of conventional Junction Box installations
- IP66 Rated
- Can be fitted to any installation
- No assembly time required
- Pre assembled 4 way cable available
- DG Approved

136203102011

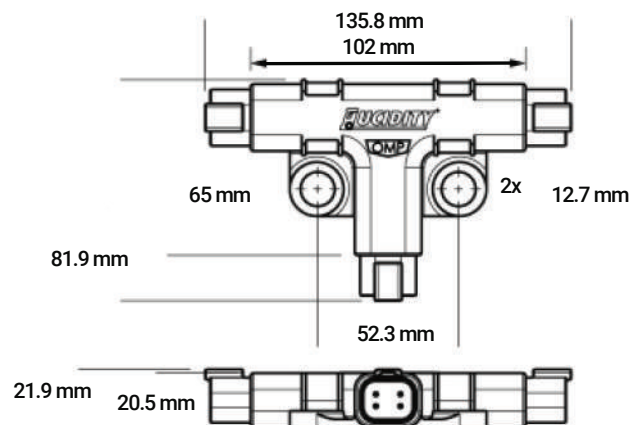


Part No.	136203102011
Key Features	
Connection Method	Deutsch DT 4 Way Connectors
IP Rating	IP66
Dangerous Goods Ready	Yes
Construction	Heavy Duty
Mounting Option	Stauff Clamp
Amperage Rating	12 Amps at 12 Volts

Typical semi-Trailer Wiring Instruction

4 Pin Connection Diagram

Connector 1	Connector 2	Connector 3	Colour	Function
Pin 1	Pin 1	Pin 1	White	Ground
Pin 2	Pin 2	Pin 2	Brown	Park Lamp
Pin 3	Pin 3	Pin 3	Red	Stop
Pin 4	Pin 4	Pin 4	Green/Yellow	Indicator



Sockets

Standard 12V Socket

- ADR Approved for 42/04, 64/00
- IP66 Rated (Wiring Interface)
- Heavy Duty Metal Construction
- 30 Amps per Pole @ 12 Volts
- Saves Time in Future Replacements
- Water Proof Silicone Seal Included
- Only Interchangeable with Lucidity OMP Harnesses
- Accepts 6mm Cables (5.22mm²)
- Acceptable for use in Road Train
- DG Approved

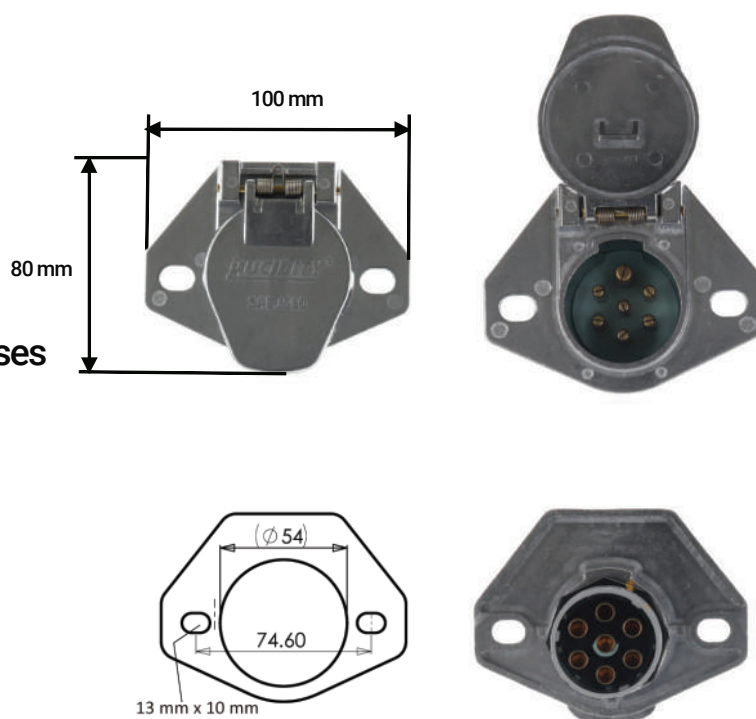
Part No.	
196408076222	OMP 7 Pin Metal Socket



Heavy Duty 24V Socket

- ADR Approved for 42/04, 64/00 & SAEJ560
- IP66 Rated (Wiring Interface)
- Heavy Duty Metal Construction
- 30 Amps per Pole @ 12 Volts
- Saves Time in Future Replacements
- Water Proof Silicone Seal Included
- Only Interchangeable with Lucidity OMP Harnesses
- Accepts 6mm Cables (5.22mm²)
- DG Approved

Part No.	
196408076221	Heavy Duty OMP 7 Pin Metal Socket



Heavy Duty Switch Module

- Switch module replaces conventional Junction Box installations
- IP66 Rated
- Can be fitted to any installation
- On/Off or On/On Configuration
- DG Approved

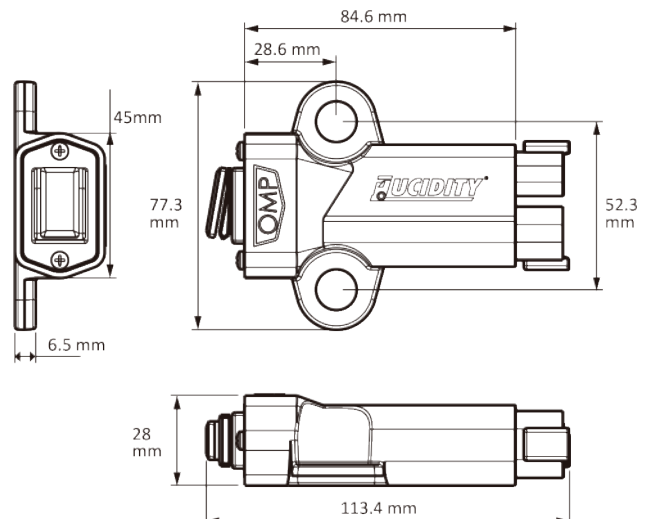
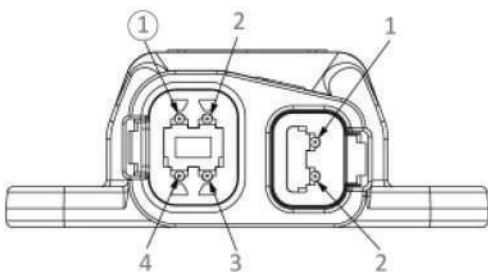
Part No.	136202102011
Key Features	
Connection Method	Deutsch DT Connectors
IP Rating	IP66 Rated
Dangerous Goods Ready	Yes
Construction	Heavy Duty
Mounting Option	Stauff Clamp
Output	On/Off, On/Off
Voltage	12/24 Volts
Amperage Rating	10 Amps at 12 Volts, 5 Amps at 24 Volts
Switch Type	Rocker



Typical Semi-Trailer Wiring Instruction

136202102011

4-Pin Connection Diagram			2-Pin Connection Diagram		
Pin No.	Function	Colour	Pin No.	Function	Colour
1	Ground	White	1	Work Lamp	Black
2	Park		2	Ground	White
3	----	----			
4	Reverse	Black			



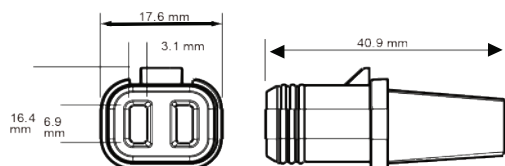
Blanking Plugs

- Plug replaces the use of more expensive Deutsch connectors and cavity plugs
- IP66 Rated
- Can be fitted to any installation
- Gripping Tab for easy removal
- No assembly time required

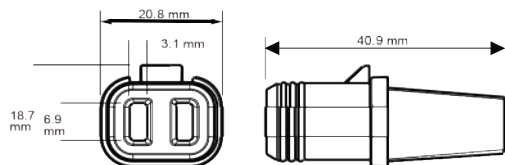
Part No.	Description	Mating Connector
136901002031	2 Way Blanking Plug	DT02-2P
136901002011	4 Way Blanking Plug	DT04-4P
136901002021	6 Way Blanking Plug	DT06-6P
136901002041	8 Way Blanking Plug	DT06-8P

Key Features	
IP Rating	IP66
Dangerous Goods Ready	Yes
Construction	Medium Duty
Material	EDM

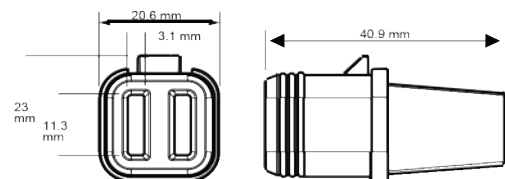
2 Way



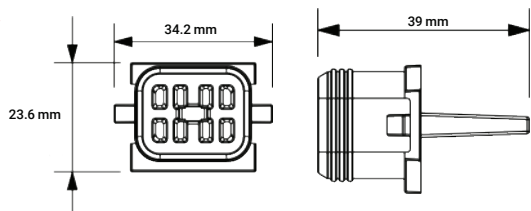
4 Way



6 Way



8 Way



Part No.	136800902121
Description	7 Way OMP Cover



136901002031



136901002011



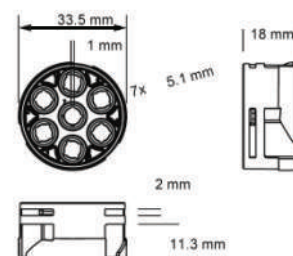
136901002021



136901002041



7 Way OMP Cover



OMP Harnesses

At Lucidity, we engineer your solutions. Specialised harness lengths and connectors are available upon request including Deutsch, Welded-Ends and Straight Cut Finishes.

Road Train Dangerous Goods Rated Applications

- IP66 Rated
- Save hours in installation time
- Harness can be adapted to operate multiple sockets front and or rear
- Suitable configurations for Lead, Tag or Road Train Trailer combinations
- Plug and play System
- Cable Length Customised on Request



12V Socket Boot Shown

OMP 12V						
Part No.	Length	End A	Boot	End B	Boot	Cable Type
3270231	400	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3271756	400	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3271757	600	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3271703	700	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3270828	800	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3270254	1200	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3270866	1500	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3271052	1500	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3270867	2000	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3270324	2500	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3271681	4000	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3271053	5200	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3270870	5500	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3270444	7600	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3270648	8000	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3271147	9000	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
3270303	11000	OMP-12V	YES	OMP-12V	NO	Dangerous Goods
3270448	1100	OMP-12V	NO	OMP-12V	NO	Dangerous Goods
OMP 24V						
3270786	550	OMP-24V	YES	OMP-12V	NO	Dangerous Goods
3271670	650	OMP-24V	YES	OMP-12V	NO	Dangerous Goods
3270829	800	OMP-24V	YES	OMP-12V	NO	Dangerous Goods
3271607	1500	OMP-24V	YES	OMP-12V	NO	Dangerous Goods
3271047	2000	OMP-24V	YES	OMP-12V	NO	Dangerous Goods
3271651	2800	OMP-24V	YES	OMP-12V	NO	Dangerous Goods
3270628	3600	OMP-24V	YES	OMP-12V	NO	Dangerous Goods
3271445	5000	OMP-24V	YES	OMP-12V	NO	Dangerous Goods

OMP Harnesses

Road Train Applications

- IP66 Rated
- Save hours in installation time
- Harness can be adapted to operate multiple sockets front and or rear
- Plug and Play System
- Cable Length Customised on Request



OMP 12V						
Part No.	Length	End A	Boot	End B	Boot	Cable Type
3270209	500	OMP-12V	NO	OMP-12V	NO	Road Train
3270305	3300	OMP-12V	NO	OMP-12V	NO	Road Train
3270323	4200	OMP-12V	NO	OMP-12V	NO	Road Train
3270304	4800	OMP-12V	YES	OMP-12V	NO	Road Train
3270447	6500	OMP-12V	YES	OMP-12V	NO	Road Train

Non- Road Train Application

OMP 12V						
Part No.	Length	End A	Boot	End B	Boot	Cable Type
3270738	1700	OMP-12V	YES	OMP-12V	NO	Non-Road Train
3270739	3500	OMP-12V	YES	OMP-12V	NO	Non-Road Train
3270740	6000	OMP-12V	YES	OMP-12V	NO	Non-Road Train
3271369	8000	OMP-12V	NO	OMP-12V	NO	Non-Road Train
3270757	1400	OMP-12V	YES	OMP-12V	NO	Non-Road Train

Optional

- IP66 Rated
- Save hours in installation time
- The OMP Flat Connector is a great alternative for confined spaces
- Harness can be adapted to operate multiple sockets front and or rear
- Plug and Play System
- Cable Length Customised on Request



OMP 12V						
Part No.	Length	End A	Boot	End B	Boot	Cable Type
3271545	10000	FLAT-F	NO	OMP-12V	NO	Road Train
3271654	1700	FLAT-F	NO	OMP-12V	NO	Road Train



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