



Points Machine Coupler System

Applications

The points machine coupler provides a reliable and easy to install connection from the point machine to the disconnect box. The cornerstone of the design is a plug and socket arrangement on the point machine with pre-terminated leads on the other end. By using the Prysmian plug coupler system possession times are dramatically reduced.

- Designed for use with Prysmian Disconnect Boxes
- Low smoke, zero halogen cable version is available
- Quick and accurate connection at the disconnect box
- Satisfies the continuous drive within the rail industry for improvements to trackside electrical connections

The couplers are specially designed for use with Alstom HW points machine. Pre-terminated socket leads are available with moulded palms on the other end of the cable. They are provided in standard lengths of 5m, 10m, 15m and 20m. All products can be supplied in non-standard, project specified lengths if required. Please contact us for more detail.

Features and Benefits

The nickel plated brass plug and socket arrangement will not deteriorate during service. The moulded plugs are made from vulcanised neoprene which is fully bonded to the cable sheath and provides a waterproof seal with excellent strain relief. A 100% testing regime is rigorously employed. Every lead is electrically tested at the factory for voltage withstand, insulation resistance and correct continuity. For safety purposes the plug & socket can only be coupled one way. Tactile locator pips ensure that the correct orientation can easily be achieved in the worst conditions therefore it is impossible to terminate incorrectly.

Available configurations include:

- Plug coupler: For fitting to the point machine. Available in 4 Way & 10 Way configurations.
- Socket coupler with free cable end: For connecting the point machine to a disconnect box. These are hard wired and available in 4 Way & 10 Way configurations.
- Socket coupler with moulded termination on cable end: For connecting the point machine to a disconnect box, quick assembly. This solution offers the speediest installation. Available in 4 Way & 10 Way configurations.

Specification and approvals

Network Rail approval PAS05/297.

Technical Data

PLUG ASSEMBLIES				
Description	Contacts	Tail Length (m)	Prysmian Part Number	PADS Cat. Number
Plug Coupler 4 Way	4	1	W22800101	088/000500
Plug Coupler 10 way	10	1	W22790101	088/000501
SOCKETS				
4 Way				
4 Way Socket to Free End	4	5	W22700501	088/000504
4 Way Socket to Free End	4	10	W22701002	088/000505
4 Way Socket to Free End	4	15	W22701503	088/000506
4 Way Socket to Free End	4	20	W22702004	088/000507
4 Way socket to Moulded Termination	4	5	W22870501	088/000520
4 Way socket to Moulded Termination	4	10	W22871002	088/000521
4 Way socket to Moulded Termination	4	15	W22871503	088/000522
4 Way socket to Moulded Termination	4	20	W22872004	088/000523

SOCKETS				
Description	Contacts	Tail Length (m)	Prysmian Part Number	PADS Cat. Number
4 Way				
4 Way Moulded Termination to Free End	4	5	W22890501	088/000512
4 Way Moulded Termination to Free End	4	10	W22891002	088/000513
4 Way Moulded Termination to Free End	4	15	W22891503	088/000514
4 Way Moulded Termination to Free End	4	20	W22892004	088/000515
10 Way				
10 Way Socket to Free End	10	5	W22690501	088/000508
10 Way Socket to Free End	10	10	W22691002	088/000509
10 Way Socket to Free End	10	15	W22691503	088/000510
10 Way Socket to Free End	10	20	W22692004	088/000511
10 Way socket to Moulded Termination	10	5	W22860501	088/000524
10 Way socket to Moulded Termination	10	10	W22861002	088/000525
10 Way socket to Moulded Termination	10	15	W22861503	088/000526
10 Way socket to Moulded Termination	10	20	W22862004	088/000527
10 Way Moulded Termination to Free End	10	5	W22900501	088/000516
10 Way Moulded Termination to Free End	10	10	W22901002	088/000517
10 Way Moulded Termination to Free End	10	15	W22901503	088/000518
10 Way Moulded Termination to Free End	10	20	W22902004	088/000519
DISCONNECTION BOXES FOR POINT MACHINE PLUG COUPLER SYSTEM				
4 Way	4+4	-	W92120001	088/000502
10 Way	10+10	-	W92130001	088/000503