

## Power Cluster “Single Point” Socket Outlet Assemblies

A range of assemblies designed for installations wherever there is a need for multiple voltage supplies, including Paper Mills, Water and Sewage Treatment Works, Food Processing, Pharmaceuticals, Car Plants, Power Stations, etc. Power Clusters are factory built assemblies that can incorporate a combination of 400V, 230V, 110V, 42V and 24V socket-outlets (plus the associated switch-gear and transformers) all combined within a composite assembly fed from a single source.

### Enclosure

Wall mounting sheet steel, providing protection to IP54 with a high quality paint finish, shade to reasonable choice. Stainless steel versions are also available with a natural, polished or painted finish. Cable entry can be from the top, side or base.

### Terminations

Facility to receive a single incoming cable or facility to terminate a loop-in and loop-out arrangement.

### Incoming Switchgear

Choice of Isolator, Fused Switch, MCB or MCCB (with or without RCD) rated from 32A to 125A. Higher current ratings can be accommodated if required.

### Socket Outlets

Socket outlets to BS EN 60309-2 (formerly BS 4343 / CEE17) in current ratings of 16 amps, 32 amps, 63 amps and 125 amps at voltages of 24 volts, 42 volts, 110 volts, 230 volts and 400 volts. Mechanically and electrically interlocked can be provided to prevent insertion or withdrawal of plugs on load. Sockets to other standards can also be incorporated, including to BS196, BS1363 and BS EN 60309-1.

### Protection

Power Clusters incorporate MCB, RCD and Fuse protection for individual sockets or groups of sockets. Monitored Earth Protection is also available for mains voltage sockets.

### Transformer

Power Clusters incorporate double-wound, single-phase transformers up to 2 kVA rating, with primary windings of 230V or 400V and secondary windings of 110V CTE (RLV supply to BS 7671) and tertiary windings of 24V or 42V (SELV / PELV to BS 7671). Transformers of other ratings can be incorporated.

### To Order

Please specify: Steel or Stainless Steel Enclosure; Incoming Cabling; Rating and Type of Incoming Device; Number of Sockets by Current Rating and Voltage; Socket Protection Requirements; Transformer Ratings for 110V, 42V and 24V sockets; any special requirements.



Stainless Steel Power Cluster, 63A Mains Isolator  
400V, 230V and 110V Sockets

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