

230V Socket Assemblies for London Underground Section 12

A range of 16A and 32A, 230V, surface and flush mounting socket assemblies for London Underground (LUL) installations, including Section 12 locations. These assemblies are the 230V versions of our LUL Approved LV9 and LV9R RLV sockets (APR No. 1935), which are designed for installation on ring main and radial circuits and incorporate integral overcurrent protection, which enables the overcurrent protection at the source to be rated in excess of the socket rating.

General

230V LV9, LV9R and LV9R32 sockets are supplied in surface or flush enclosures and incorporate no external combustible materials, including the socket outlets, which are metal clad. Any insulated materials are located internally, with access via covers incorporating low fire hazard gasket.

Construction

Enclosures are fabricated from mild steel and finished in a white LUL approved electro-static applied, polyester powder paint. The front plate is removable and available in two different materials: white painted or brushed stainless steel. MCBs or RCBOs are protected by a hinged metal cover with quick release fastener. All fixings are tamper proof.

Standard Equipment

230V LV9R / LV9R32 sockets are fitted with 16A or 32A 1P+N 30mA RCBOs, which have a C curve MCB trip and a Type A RCBO characteristic. The RCBO feeds a 16A or 32A 2P+E 230V IP44 metal clad angled socket to BS EN 60309-2.

230V LV9 sockets are fitted with a 16A DP MCB feeding a 16A 2P+E 230V IP44 metal clad angled socket to BS EN 60309-2.

Supplies into LV9 and LV9R assemblies terminate into the MCB or RCBO, which have terminals to accommodate a single 16mm² CSA cable or 2 no. 6mm² CSA cables. Internal wiring is via LUL approved Low Smoke Zero Halogen cable.

Dimensions, mm (WxDxH)

Surface Mounting: 215x105x140

Flush Mounting: Back Box 215x67x140; Front plate 245x38x170.

Standard Part Numbers

S120314: LV9R 16A, 230V, 2P+E; RCBO; surface box, painted finish
S120315: LV9R32 32A, 230V, 2P+E; RCBO; surface box, painted finish
S120316: LV9 16A, 230V, 2P+E; MCB; surface box, painted finish;
labelled: Test Equipment Only

Special Equipment

For non-Section 12 locations (usually outdoors) assemblies can be uprated to IP55 through the incorporation of a moulded, IP67 socket.

Please contact our Customer Services for Part Numbers of other versions (flush mounted, stainless steel finish, IP55, etc), prices, GA drawings and other data. Refer to data sheet DDS300 for details of 110V LV9 and LV9R socket assemblies.



LV9R 16A 230V, cover closed



LV9R 16A 230V, cover open



LV9R 16A 230V, cover closed



LV9R 16A 230V, cover open