

Sockets for 110V Installations, with or without integral RCD

The increasing use of 110V Reduced Low Voltage (RLV) in a wide range of industrial applications has resulted in the growing need to provide 110V sockets with RCD protection, in order to meet the 5 second disconnection time required for fault protection, as specified in Regulation 411.8.3 of BS7671, the IEE Wiring Regulations, 18th Edition.

RCD protection can be incorporated within the transformer assembly providing the 110V RLV supply or it can be incorporated within the socket. Detailed below are part numbers, etc., for 110V surface sockets rated at 16A and 32A, IP44 or IP66/IP67, with or without 30mA RCD protection. Part numbers for the associated plugs and coupler sockets are also detailed.

Although RCDs are current operated, many are not suitable for use on 110V supplies. The RCDs used within Blakley 110V protected sockets are designed for operation at 110V.

Please contact us for details of 110V sockets with double-pole (DP) over current protection, which are required when the rating of the protective device supplying the socket circuit exceeds the rating of the socket i.e. when a 32A DP MCB or fusing feeds a circuit of 16A sockets. We are also able to supply 110V sockets with integral DP overcurrent protection and DP RCD protection. Please contact us for details.

Order References:

Part No.	Type No.	Description
S190392	ERC/1/16/110V	Surface Socket, 16A, 110V, 2P+E, IP44 c/w RCD
S190393	ERC/1/32/110V	Surface Socket, 32A, 110V, 2P+E, IP44 c/w RCD
S190394	ERC/1/16/110V/WT	Surface Socket, 16A, 110V, 2P+E, IP66 c/w RCD
S190395	ERC/1/32/110V/WT	Surface Socket, 32A, 110V, 2P+E, IP66 c/w RCD
S201071	B513.1650T	Surface Socket, 16A, 110V, 2P+E, IP44
S201082	B513.3250T	Surface Socket, 32A, 110V, 2P+E, IP44
S201182	B518.1650T	Surface Socket, 16A, 110V, 2P+E, IP67
S201183	B518.3250T	Surface Socket, 32A, 110V, 2P+E, IP67
S170883	P1634/IG	Plug, 16A, 110V, 2P+E, IP44 with inverted grommet
S170884	P3234/EG	Plug, 32A, 110V, 2P+E, IP44 with external grommet
S170905	PW1634/SG	Plug, 16A, 110V, 2P+E, IP67 with screw gland
S170937	B218.3230	Plug, 32A, 110V, 2P+E, IP67 with screw gland
S200827	C1634/IG	Coupler, 16A, 110V, 2P+E, IP44 with inverted grommet
S200830	C3234/EG	Coupler, 32A, 110V, 2P+E, IP44 with external grommet
S201000	CW1634/SG	Coupler, 16A, 110V, 2P+E, IP67 with screw gland
S201100	B318.3240	Coupler, 32A, 110V, 2P+E, IP67 with screw gland

In addition to the items detailed above, we are able to supply 110V sockets in current ratings of up to 125A rating. We also offer a full range of 230V and 400V sockets with integral MCB and RCD protection rated from 16A to 125A.



16A and 32A, 110V, 2P+E, IP44, Surface Sockets with 30mA RCD Protection



16A and 32A, 110V, 2P+E, IP67, Surface Sockets



16A and 32A, 110V, 2P+E, IP44, Surface Sockets