

Safelink Combination Socket Outlet Assemblies with RCD Protection

Safelink combination assemblies incorporate industrial sockets to BS EN 60309-2 with protection by integral 2P or 4P RCCB. They are available in IP ratings of IP44 or IP66, with an interlocked switch as an option, which prevents withdrawal or insertion of plugs on load.

Enclosures

Safelink enclosures are moulded from high impact resistant thermoplastic and the RCCB is located behind a hinged protective window. Please see our website for GA drawings.

Sockets

Socket outlets are to BS EN 60309-2 and available in voltages of 110V, 230V or 400V and in current ratings of 16A, 32A, 63A and 125A (not all ratings are available at all voltages). See page 2 for full details of the standard range.

RCD Protection

Safelink assemblies incorporate 2P or 4P Type AC 30mA RCDs to BS EN 61008. At 125A the RCD sensitivity is 300mA.

RCD and Monitored Earth Protection

Safelink series combination assemblies are also available with Monitored Earth (ME) protection. Assemblies with ME protection incorporate an Earth Continuity Monitor (ECM), which provides protection to BS 4444 and ensures portable or mobile appliances are always effectively earthed. ECMs have a Pilot-Earth Loop Trip Factor (PELTF) of 1.5 ohms and ECMs with alternative PELTFs can be provided. A further safety feature of ME assemblies is that they provide electrical interlocking i.e. all connectors in a circuit need to be mated before it can be energised. ECMs also incorporate a pilot core protection mode, which protects against pilot-earth short circuits and a spare diode is supplied with each assembly for incorporation within the associated appliance.

Don't forget! The supply cable from a standard ME protected socket to the appliance requires an additional pilot core (the screen of screened cables can be used for this purpose).

The ECM controls a contactor within the assembly, which is controlled by external push switches and allows the assembly to be switched "ON" and "OFF" without having to open the protective window. Assemblies with ME protection fail to safe in the event of loss of supply and require manual resetting. Standard assemblies with Monitored Earth protection require a supply neutral.

ME assemblies rated at 16A and 32A are fitted with 7 pin, IP44 sockets to BS EN 60309-1. 63A assemblies with ME protection are fitted with 2P+p+E or 3P+N+p+E sockets to BS EN 60309-2.

Please see data sheet PDS003 re: assemblies to protect NHS screening trailers, which are fitted with a standard socket and an additional POAG socket.



32A 230V IP44 Switched
& Interlocked Socket



32A 400V IP44 RCD
Protected Socket



16A & 32A 110V IP66 Sockets with
30mA RCD Protection



32A 400V Socket with
RCD and ME Protection



63A 400V Socket
Switched &
Interlocked

Part Numbers and Type Numbers of Standard Safelink Combination Sockets

Volts	Amps	RCD, Unswitched Socket		RCD, Switched & Interlocked		RCD + Monitored Earth	
		IP44	IP66	IP44	IP66	IP44	IP66
110V 2P+E	16A	S190392 ERC/1/16/110/IP44 3 pin socket	S190394 ERC/1/16/110/IP66 3 pin socket	S190421 ERC/1/16/110/SI/IP44 3 pin socket	S190427 ERC/1/16/110/SI/IP66 3 pin socket	N/A	N/A
	32A	S190393 ERC/1/32/110/IP44 3 pin socket	S190395 ERC/1/32/110/IP66 3 pin socket	S190422 ERC/1/32/110/SI/IP44 3 pin socket	S190428 ERC/1/32/110/SI/IP66 3 pin socket	N/A	N/A
230V SP&N	16A	S190382 ERC/1/16/IP44 3 pin socket	S190417 ERC/1/16/IP66 3 pin socket	S190423 ERC/1/16/SI/IP44 3 pin socket	S190429 ERC/1/16/SI/IP66 3 pin socket	S190195 AMRC/1/16/IP44 7 pin socket	Refer to Blakley Sales
	32A	S190383 ERC/1/32/IP44 3 pin socket	S190418 ERC/1/32/IP66 3 pin socket	S190424 ERC/1/32/SI/IP44 3 pin socket	S190430 ERC/1/32/SI/IP66 3 pin socket	S190196 AMRC/1/32/IP44 7 pin socket	Refer to Blakley Sales
	63A	N/A	S190186 ERC/1/63/IP66 3 pin + pilot socket	N/A	S190433 ERC/1/63/SI/IP66 3 pin + pilot socket	N/A	S190298 AMRC/1/63/IP66 3 pin + pilot socket
400V TP&N	16A	S190384 ERC/3N/16/IP44 5 pin socket	S190419 ERC/3N/16/IP66 5 pin socket	S190425 ERC/3N/16/SI/IP44 5 pin socket	S190431 ERC/3N/16/SI/IP66 5 pin socket	S190198 AMRC/3N/16/IP44 7 pin socket	Refer to Blakley Sales
	32A	S190385 ERC/3N/32/IP44 5 pin socket	S190420 ERC/3N/32/IP66 5 pin socket	S190426 ERC/3N/32/SI/IP44 5 pin socket	S190432 ERC/3N/32/SI/IP66 5 pin socket	S190200 AMRC/3N/32/IP44 7 pin socket	Refer to Blakley Sales
	63A	N/A	S190189 ERC/3N/63/IP66 5 pin + pilot socket	N/A	S190434 ERC/3N/63/SI/IP66 5 pin + pilot socket	N/A	S190202 AMRC/3N/63/IP66 5 pin + pilot socket
	125A	N/A	N/A	N/A	S190300 ARC/3N/125/SI/IP66 5 pin + pilot socket	N/A	Refer to Blakley Sales

Also available to order are:

- Assemblies fitted with 3P+E 400V sockets (no neutral).
- Assemblies with integral MCB protection (single-pole, double-pole or triple-pole, B, C or D trip).
- Monitored Earth assemblies with additional POAG-ID6 sockets for NHS screening trailer applications.
- A full range of steel cased Safelink assemblies rated from 16A to 125A, 3P 4P or 5P, 230V or 400V.
- For extra high current applications (over 125A), Safelink Assemblies are available with multi-pin connectors in current ratings up to 800A. Versions with single-pole connectors can also be supplied.
- Plugs to match sockets, including 7 pin (5P+2p) versions used in 16A / 32A Monitored Earth assemblies.
- Stands for free-standing applications (part no. S141362).
- Surface mounting sockets, interlocked and non-interlocked, IP44 or IP66, without RCD protection.
- Multi-gang, multi-voltage socket assemblies with or without integral transformer.



Safelink Combination Sockets, 16A to 125A



Stand for (i) one or two non-interlocked ERC series sockets rated up to 32A, (ii) a single interlocked ERC socket rated up to 32A, (iii) a single non-interlocked 63A ERC socket.