

Safelink Combination Socket Outlet Assemblies

The Safelink series of Combination Socket Outlets incorporates sockets to BS EN 60309-2# and can incorporate RCD, MCB and Monitored Earth (ME) protection. Models with RCD and MCB protection are also available with mechanically interlocked switches to prevent withdrawal or insertion of plugs on-load. Models with ME protection incorporate electrical interlocking. Please see over for details of the standard range.

Enclosures

Safelink enclosures are moulded from high impact resistant polyamide or polycarbonate material. Assemblies are rated at IP44 when fitted with splashproof sockets and at IP66 when fitted with watertight sockets. Please see our website for general arrangement drawings with dimensions.

Sockets

Socket outlets are to BS EN 60309-2 and are available in current ratings of 16A, 32A and 63A; with pin configurations of 2P+E, 3P+E or 3P+N+E; in voltages of 230V or 400V. Sockets rated at 63A also incorporate a pilot pin, which is utilised in ME protection assemblies. Splashproof sockets (to IPX4) are fitted to assemblies rated at 16A and 32A without mechanical interlock. Watertight sockets (to IPX7) are fitted to all assemblies rated at 63A and to all assemblies with mechanical interlock.

Monitored Earth protection assemblies rated at 16A and 32A incorporate 7 pin sockets to BS EN 60309-1. Also see data sheet PDS003 re: ME assemblies to protect NHS screening trailers, which are fitted with a standard socket and a POAG socket.

RCD Protection

As standard, Safelink assemblies incorporate 2P or 4P Type AC 30mA RCDs to BS EN 61008. Assemblies fitted with 3P+E sockets do not require a supply neutral.

MCB Protection

Safelink assemblies with overcurrent protection incorporate MCBs to BS EN 60898, with a 10kA breaking capacity and a Type "C" trip characteristic. Assemblies with Type "B" or Type "D" MCBs are also available.

Monitored Earth (ME) Protection

Safelink assemblies with ME protection incorporate an Earth Continuity Monitor (ECM) to BS 4444, with a Pilot-Earth Loop Trip Factor (PELTF) of 1.5 ohms. ECMs with alternative PELTFs are also available. The ECM incorporates a simple pilot core protection facility to protect against pilot-earth short circuits - a spare diode is supplied with each assembly for incorporation within the associated appliance. The ECM operates a contactor within the assembly, which is controlled by external push switches. This enables the device 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.

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).



AMRC/3N/32 with RCD & ME Option



ARC/1/16 with RCD Protection only

THE POWER PROFESSIONALS

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Part Numbers and Type Numbers of standard Safelink assemblies:

Supply Volts	Current Rating	Unswitched		Switched Interlocked		Monitored Earth	
		RCD Only	RCD+MCB	RCD Only	RCD+MCB	RCD Only	RCD+MCB
SP&N 230V	16A	S190168 ARC/1/16	S190162 ARC/OC/1/16	S190217 ARC/1/16/SI	S190227 ARC/OC/1/16/SI	S190195 AMRC/1/16	S190203 AMRC/OC/1/16
	32A	S190169 ARC/1/32	S190163 ARC/OC/1/32	S190182 ARC/1/32/SI	S190183 ARC/OC/1/32/SI	S190196 AMRC/1/32	S190204 AMRC/OC/1/32
	63A	S190186 ARC/1/63	S190187 ARC/OC/1/63	S190185 ARC/1/63/SI	S190184 ARC/OC/1/63/SI	S190298 AMRC/1/63	S190226 AMRC/OC/1/63
TP 400V	16A	S190170 ARC/3/16	S190164 ARC/OC/3/16	S190178 ARC/3/16/SI	S190213 ARC/OC/3/16/SI	Refer to Blakley Sales	Refer to Blakley Sales
	32A	S190172 ARC/3/32	S190165 ARC/OC/3/32	S190179 ARC/3/32/SI	S190215 ARC/OC/3/32/SI	Refer to Blakley Sales	Refer to Blakley Sales
	63A	S190188 ARC/3/63	S190190 ARC/OC/3/63	S190174 ARC/3/63/SI	S190176 ARC/OC/3/63/SI	Refer to Blakley Sales	Refer to Blakley Sales
TP&N 400V	16A	S190171 ARC/3N/16	S190166 ARC/OC/3N/16	S190180 ARC/3N/16/SI	S190214 ARC/OC/3N/16/SI	S190198 AMRC/3N/16	S190206 AMRC/OC/3N/16
	32A	S190173 ARC/3N/32	S190167 ARC/OC/3N/32	S190181 ARC/3N/32/SI	S190216 ARC/OC/3N/32/SI	S190200 AMRC/3N/32	S190208 AMRC/OC/3N/32
	63A	S190189 ARC/3N/63	S190191 ARC/OC/3N/63	S190175 ARC/3N/63/SI	S190177 ARC/OC/3N/63/SI	S190202 AMRC/3N/63	S190210 AMRC/OC/3N/63

Nomenclature

A	Insulated Enclosure	M	Monitored Earth Protection	3	Three Phase
RC	RCD Protection	SI	Switched & Interlocked	3N	Three Phase & Neutral
OC	MCB Protection	1	Single Phase & Neutral		

Also available to order are:

- Monitored Earth assemblies with additional POAG-ID6 sockets for NHS screening trailer applications.
- Plugs to match sockets, including 7 pin versions used in 16A / 32A Monitored Earth assemblies.
- All-insulated Safelink Assemblies fitted with socket outlets rated at 125 amps, 3P 4P or 5P, 230V or 400V. All 125A sockets incorporate a pilot tube, which is utilised in Monitored Earth assemblies.
- A full range of steel cased Safelink Assemblies rated from 16A to 125A, 3P 4P or 5P, 230V or 400V.
- All ratings can also be supplied for 110V operation
- 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.