

## Standard Mains Distribution Assemblies, up to 200A Rating

Blakley B series Mains Distribution Assemblies (MDAs) are used on construction sites across the UK and beyond. To meet the demand for short lead times, we stock a standard range with incoming devices rated up to 1600A. On this data sheet we focus on assemblies with incoming devices rated up to 200A. Please refer to data sheet DDS102 for standard MDAs with incomers rated from 400A to 1600A, to data sheet DDS100 for non-standard MDAs with incomers rated up to 4000A, to data sheet DDS118 for MDAs with socket outlets and to data sheet DDS107 for lower cost E series MDAs rated up to 250A.

B series MDAs rated up to 200A are housed in wall mounting enclosures providing ingress protection to IP54. Enclosures incorporate: side hinged, padlockable doors; a projecting rain canopy; separate gland plates in the underside of the enclosure for incoming and outgoing cables. Provision is made for main incomers to be accessible (for emergency isolation) even when the main door is padlocked and incoming devices can be padlocked in the off position. Enclosures are afforded corrosion protection via a high quality, outdoor duty paint finish with a bright red topcoat (Vermilion, RAL 2002). Optional galvanized stands and crash frames are available to free-stand enclosures.

Listed below are the part numbers and descriptions for our standard B series MDAs rated up to 200A.

Part	Type	Incoming Device, 4 pole	Outgoing Configurations
S140495	B1/I125-4P/MGPA4, Wall Mounting	125A Switch	MCB Pan Assembly, 4W TP+N
S140491	B1/RCD100-4P/MGPA4, Wall Mounting	100A 100mA RCD	
S140492	B2/I125-4P/MGPA8, Wall Mounting	125A Switch	MCB Pan Assembly, 8W TP+N
S140496	B2/RCD100-4P/MGPA8, Wall Mounting	100A 100mA RCD	
S140497R	B2/MRCD125C-4P/MGPA8, Wall Mounting	125A MCB + Variable RCD	
S140441	B2/I125-4P/MGPA8/TC-CC6, Wall Mounting (see data sheet DDS106 for full details)	125A Switch	MCB Pan Assembly, 8W TP+N c/w 8 x 32A TP MCBs & 6 x contactors, time clock controlled
S140479	B2/I200-4P/MGPA12, Wall Mounting	200A Switch	MCB Pan Assembly, 12W TP+N
S140494	B3/MC200-4P/3CBR/MGPA8, Wall Mounting	200A MCCB	Facility for 3 x 4P MCCBs or CBRs rated up to 160A MCB Pan Assembly, 8W TP+N
S140493R	B3/MRCD200-4P/3CBR/MGPA8, Wall Mounting	200A MCCB+Variable RCD	
S140498	B3/MC200-4P/MGPA16, Wall Mounting	200A MCCB	MCB Pan Assembly, 16W TP+N
S140499R	B3/MRCD200-4P/MGPA16, Wall Mounting	200A MCCB+Variable RCD	
S140490R	B3/I200-4P/CBR3/MGPA8, Wall Mounting	200A Switch	2 x 160A 4P CBRs each with variable RCD protection and 1 no. 160A 4P CBR feeds an MCB Pan Assembly, 8W TP+N
S140593	Stand to free-stand all of the above MDAs		
S140723	Crash frame for B2 / B3 series MDAs		
Retrofit MCCB kits for 200A MDAs, part numbers S140494 and S140493R			
S141428	Kit comprising of an NSXm 4P MCCB with 63A TMD trip complete with terminal covers, tails, fixings, etc.		
S141429	Kit comprising of an NSXm 4P MCCB with 100A TMD trip complete with terminal covers, tails, fixings, etc.		
S141430	Kit comprising of an NSXm 4P MCCB with 125A TMD trip complete with terminal covers, tails, fixings, etc.		
S141431	Kit comprising of an NSXm 4P MCCB with 160A TMD trip complete with terminal covers, tails, fixings, etc.		
Retrofit CBR kits (MCCB with integral RCD) for 200A MDAs, part numbers S140494 and S140493R			
S141423	Kit comprising of an NSXm 4P CBR with 100A Micrologic 4 trip, complete with terminal covers, tails, fixings, etc.		
S141424	Kit comprising of an NSXm 4P CBR with 160A Micrologic 4 trip, complete with terminal covers, tails, fixings, etc.		
MCBs can be supplied loose for fitting into the pan assemblies. MCBs are available in ratings from 1A to 63A; SP, DP or TP; with B, C or D trips. MCB and RCBO part numbers are detailed on page 2.			

Please see over the page for images and further specification details relating to standard MDAs rated up to 200A.

## Weights and Dimensions

Enclosure Ref.	Height, mm	Width, mm	Depth, mm	Weight, kg	Max Incoming Cable CSA, 4 core
B1	452	627	165	20	100A: 35mm <sup>2</sup> ; 125A: 50mm <sup>2</sup>
B2	654	735	165	30	100A: 35mm <sup>2</sup> ; 125A: 50mm <sup>2</sup> ; 200A: 70mm <sup>2</sup>
B3	865	735	282	60	200A: 95mm <sup>2</sup>

GA drawings of standard MDAs can be found on our website: [www.blakley.co.uk](http://www.blakley.co.uk)

### Part Numbers for MCBs to BS EN 60898-1 and RCBOs to BS EN 61009-1 to fit in Pan Assemblies

	SPN RCBO 30mA		Single-pole MCB			Double-pole MCB			Triple-pole MCB		
Amps	"B" trip	"C" trip	"B" trip	"C" trip	"D" trip	"B" trip	"C" trip	"D" trip	"B" trip	"C" trip	"D" trip
6A	S190319	S190337	S031167	S031215	S031263	S031179	S031227	S031275	S031191	S031239	S031287
10A	S190320	S190338	S031168	S031216	S031264	S031180	S031228	S031276	S031192	S031240	S031288
16A	S190321	S190339	S031169	S031217	S031265	S031181	S031229	S031277	S031193	S031241	S031289
20A	S190326	S190340	S031170	S031218	S031266	S031182	S031230	S031278	S031194	S031242	S031290
25A	S190387	S190317	S031171	S031219	S031267	S031183	S031231	S031279	S031195	S031243	S031291
32A	S190388	S190341	S031172	S031220	S031268	S031184	S031232	S031280	S031196	S031244	S031292
40A	S190389	S190318	S031173	S031221	S031269	S031185	S031233	S031281	S031197	S031245	S031293
45A	S190390	S190342	-	-	-	-	-	-	-	-	-
50A	-	-	S031174	S031222	S031270	S031186	S031234	S031282	S031198	S031246	S031294
63A	-	-	S031175	S031223	S031271	S031187	S031235	S031283	S031199	S031247	S031295



S140441 125A MDA/time clock controlled contactors



S140493R 200A MDA mounted on stand S140593



S140497R 125A MDA - steel shield plate removed  
Secondary shroud between incoming gland plate  
and incoming MCB is in place



S140490R 200A MDA fitted with 3 no. 160A CBRs  
and an 8 way TP MCB pan assembly