Design Schedule

Plant Room DB

Location:	Supplied from:	Voltage:
	DB-1 - 2-L123 - Plant Room Feed	227.93V
Description:	Protective device:	Ze:
	MCCB type C	0.1081Ω
Supply path:	Protective device rating:	Isc:
Supply\DB-1	100A	2.11kA

CIRCUIT DETAILS					PROTECTIVE DEVICE				CABLE DETAILS							
Number	Phase	Load (A)	Category	Designation	rating (A)	Type	time (sec)	max Zs (Ω)	Size (mm²)	cable description	length (m)	VD (%)	Zs (Ω)	Isc (kA)	cpc size (mm²)	pass/fail
1	L123	10	Radial	Motor 1 supply	16	MCB type C	0.100	1.437	4	70°C:Thermoplastic:6491x:BS6004	10	0.36	0.21	2.01	4	✓
2	L123	10	Radial	Motor 2 supply	16	MCB type C	0.100	1.437	4	70°C:Thermoplastic:6491x:BS6004	10	0.36	0.21	2.01	4	✓
3	L123	10	Radial	Motor 3 supply	16	MCB type C	0.100	1.437	4	70°C:Thermoplastic:6491x:BS6004	10	0.36	0.21	2.01	4	✓
4	L1	8	Ring	Ring circuit 1	32	MCB type B	0.100	1.437	2.5	70°C:Thermoplastic:6491x:BS6004	25	1.39	0.39	2.10	2.5	✓
4	L2	8	Ring	Ring circuit 2	32	MCB type B	0.100	1.437	2.5	70°C:Thermoplastic:6491x:BS6004	25	1.39	0.39	2.10	2.5	✓
4	L3	8	Ring	Ring circuit 3	32	MCB type B	0.100	1.437	2.5	70°C:Thermoplastic:6491x:BS6004	25	1.39	0.39	2.10	2.5	✓
5	L1	8	Ring	Ring circuit 4	32	MCB type B	0.000	1.437	2.5	70°C:Thermoplastic:6491x:BS6004	25	1.14	0.33	4.61	2.5	✓
5	L2	8	Ring	Ring circuit 5	32	MCB type B	0.100	1.437	2.5	70°C:Thermoplastic:6491x:BS6004	25	1.39	0.39	2.10	2.5	✓
5	L3	8	Ring	Ring circuit 6	32	MCB type B	0.100	1.437	2.5	70°C:Thermoplastic:6491x:BS6004	25	1.39	0.39	2.10	2.5	✓