

**EARTHING EXHIBIT**

Sr. No.	Part to be earthed	Wire/Busbar Size	Type	Wire Color/Busbar	Nos
<b>1.0</b>	<b>PRIMARY EARTHING</b>				
1.1	Main Earth Busbar	Depend on the Main phase conductor size ( Refer below Table)	PE	Wire : Yellow-green Busbar : copper	1
1.2	Panel doors (up to 1 meter height) to body	4 sqmm	PE	Yellow-Green	1
1.3	Panel side walls (In case when it is not touch with other body)	4 sqmm	PE	Yellow-Green	1
1.4	Panel doors (up to 2 meter height) to body	4 sqmm	PE	Yellow-Green	2
1.5	Mounting Plate to body	Depend on the maximum phase conductor size of that M. Plate (Refer below Table)	PE	Wire : Yellow-green Busbar : copper	1
1.6	Gland Plates to body	4 sqmm	PE	Yellow-Green	1
1.7	Cooling fan to body	1.5 sqmm	PE	Yellow-Green	1
1.8	Body of the choke	Depend on VA (Refer below Table)	PE	Yellow-Green	1
1.9	Body of the control Transformer	Depend on VA (Refer below Table)	PE	Yellow-Green	1
1.10	AC Drive power earth	Depend on the phase conductor size of that drive (Refer below Table)	PE	Wire : Yellow-green Busbar : copper	1
<b>2.0</b>	<b>SECONDARY EARTHING</b>				
2.1	Earth terminals of the power supplies for PLC/Inst.	1.5 sqmm	FE	White-Blue	1
2.2	24 vdc -ve point	1.5 sqmm	FE	White-Blue	1
2.3	Electronic Instrument earth point and body	1.5 sqmm	FE	White-Blue	1
2.4	Analog Input module -ve terminal	1.5 sqmm	FE	White-Blue	1
2.5	All chassis earth of PLC Devices	1.5 sqmm	FE	White-Blue	1
2.6	Shield of the shielded wire	1.5 sqmm	FE	White-Blue	1



Material of PE & phase conductor should be same type.

If the application of this table produces non- standard sizes, conductors having the nearest standard cross-sectional area are to be used.

Sr.No	Cross sectional area of phase conductors sqmm	Min. cross sectional area of protective (Earth) conductors sqmm
1	$S \leq 16$	S
2	$16 < S \leq 35$	16
3	$S > 35$	S/2

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