

Modis 12 Technical Specification

Quality Certificate of Manufacturer:	ISO9001	
Type of Product:	LV Switchboard	
Standards:	BS EN 60439-1 EN 60439-1 IEC 60439-1	BS EN 60529 EN 60529 IEC 60529
Forms of Separation:	Forms 3 and 4	
IP Rating: External	IP3X as standard. IP4X when doors fitted	
Construction: Frame Structure	1.2mm gauge folded steel	
Construction: Cover Plates	1.2mm screw fixed sheet steel	
Construction: Integra Segregation	Aluzinc perforated sheet steel or transparent polycarbonate sheet	
Cabling Access:	Front access cabling. Entry via gland plates facilitating either top and/or bottom entry	
Busbars: Material	HDHC Copper	
Busbars: Mounting	3 and 4-pole air insulated mounted in glass fibre reinforced moulded supports	
Busbars: Shielding	Non-conductive rigid insulated barriers or rigid sheet steel barriers	
Busbars: Maximum Current and Fault Withstand Ratings	Up to 1250A: 50kA for 1s	
Rated Operational Voltage:	400V AC	
Power Frequency Withstand Voltage:	2500V	
Paint Finish:	Colour light grey RAL 7035 semi-gloss	
Paint Depth:	40/60 microns	
Paint Process:	4 stage process of chemical spray degreasing, iron phosphate coating, automatic electro-static epoxy polyester film application and curing in a high temperature controlled oven	
Testing Recommendations:	All Modis 12 switchboards are to be electrically and mechanically inspected and tested throughout the assembly process. Final testing and inspection must include a dielectric test, in accordance with EN 60439-1 and an insulation resistance megger test.	