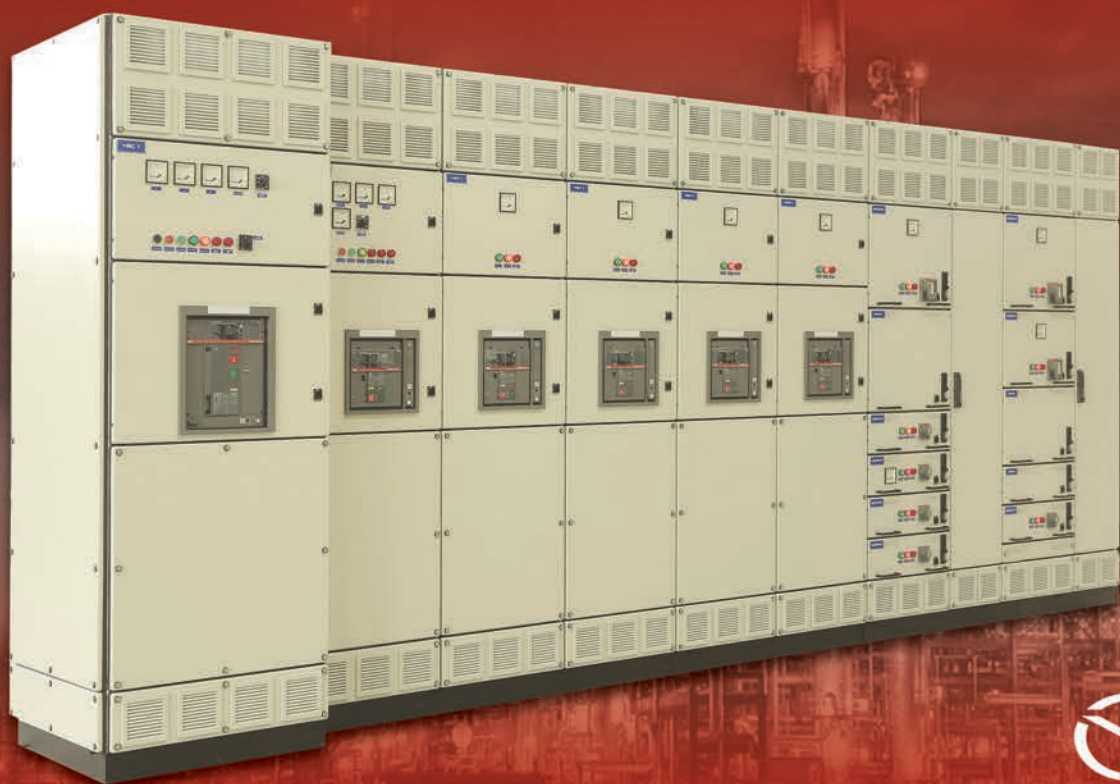


OMEGA

Low voltage, Modular, fixed or withdrawable type
Power & Motor Control Center (PCC & MCC)



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OMEGA

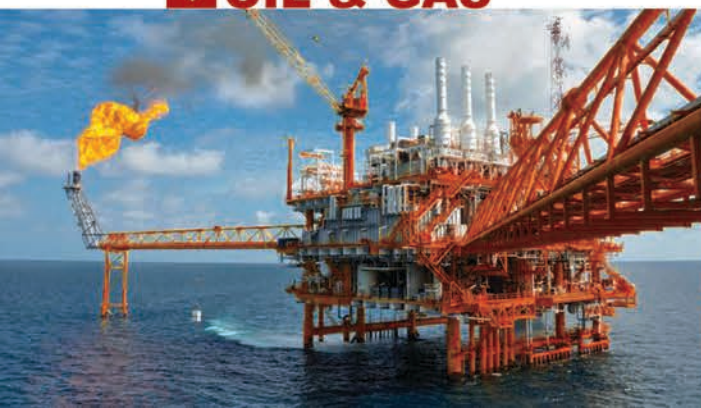
TECHNICAL INFORMATION

► TECHNICAL INFORMATION

▶ Reference Standards	Type-tested Switchgear and Controlgear Assembly		IEC-61439-1 & 2 / 60439-1, BS EN 61439-1 & 2 / 60439-1, EN 61439-1 & 2 / 60439-1, IEC 60529, IEC 62208, IEC/TR 61641, CSA-C22.2 No. 31 & 14, DIN VDE 0660 part 500, DIN 43671/12.75, Ships Classifications Societies		
▶ Electrical Data	Rated Voltages	Rated impulse withstand voltage (U_{imp})	9.8 kV / 8 kV		
		Rated insulation voltage (U_i)	1000 V		
		Rated operational voltage (U_e)	690 V		
	Rated Currents	Main Busbar System, Horizontal & Vertical			
		Rated current (I_n)	up to	6500	A
		Rated Peak withstand current (I_{pk})	up to	363	kA
		Rated Short-time withstand current (I_{cw})	up to	135	kA 1 sec
		Distribution Busbars, Fixed System			
		Rated current (I_n)	up to	2000	A
		Rated Peak withstand current (I_{pk})	up to	220	kA
Rated Short-time withstand current (I_{cw})		up to	100	kA 1 sec	
Distribution Busbars, Withdrawable & Removable System					
Rated current (I_n)		up to	1800	A	
Rated Peak withstand current (I_{pk})		up to	154	kA	
Rated Short-time withstand current (I_{cw})		up to	70	kA 1 sec	
Rated Conditional withstand current (I_{cc})		up to	100	kA 1 sec	

► Mechanical Data	Internal Separation	IEC 61439-1 & 2 / 60439-1 BS EN 60439-1	Form 1 to 4, A and B NC1 Type 1 to 7
	Degree of Protection	IEC 60529	IP2X up to IP44 (IP54 optional)
	Materials	Doors & Plates Framework Plinth	Painted Steel 1.5mm or 2.0mm Painted Steel or Aluzinc 2.0mm Painted High Strength Steel 2.5mm with Magnelis Coating
		Mounting Plates Internal Plates Stainless Steel (optional) Rear Plates	Aluzinc 2.0mm Aluzinc 1.0mm - 2.0mm ANSI 304 160/80 Aluzinc 1.5mm Painted Steel 1.5mm or 2.0mm Aluzinc 1.5mm
		Top Plates	
	Colour	Doors & Plates Plinth	RAL 7035 Fine Structure RAL 9005 Fine Structure Others on Request
	Dimensions (mm)	With flat plates (AGP)	Height: 1995, 2185, 2375
			Width: 440, 630, 820, 1010, 1200
			Depth: 600, 790
	Service Conditions	Installation	Indoor
		Ambient Temperature	0°C to +40°C
		Relative Humidity Altitude	Max 50% at 40°C ≤2000m Others on Request

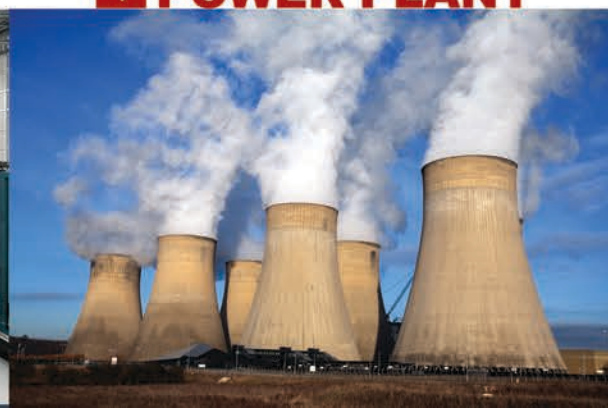
► OIL & GAS



► INDUSTRIES



► POWER PLANT



► INFRASTRUCTURE



► TRANSPORT



Advantages

► Wide range

- Up to 6500A
- Up to 135KA (Icw)
- Up to 363KA (Ipk)
- Separation 1 to 4, from A & B
- One line, L or U shape installation
- Fixed or withdrawable
- Front or rear access

► Small foot print

► Personal Safty

- Internal arc tested
- Gas pressure relief flaps located on the top

► Enclosures made of Aluzinc and highly resistance against corrosion

► Fully type tested as per IEC61439-1

- Short circuit test
- Temperature rise test
- Eart continuity test
- Arc test
- Vibration test
- Dielectric test
- Degree of protection test

► Reliability

- Arc fault barrier available optionally minimizing
- The scope of damage
- Down time
- Repair costs
- Designed to minimize maintenance
- Parts to minimize maintenance & having long life
- Avalibility of arc duct for each section (option)
- Avalibility of explosion valve for each functional until (option)

Fully withdrawable module

- Incoming and outgoing power up to 630 A 3p+n
- 1-4 modules high 3 or 4 wide short or long
- DOL / STAR-Delta / Feeder operation
- Easy and safe operation by single push button
- Advanced mechanical interlock
- 4 positions (connected, test, disconnected, removed)
- IP3x in isolated position
- Isolated test position. The main circuit is open/disconnected

