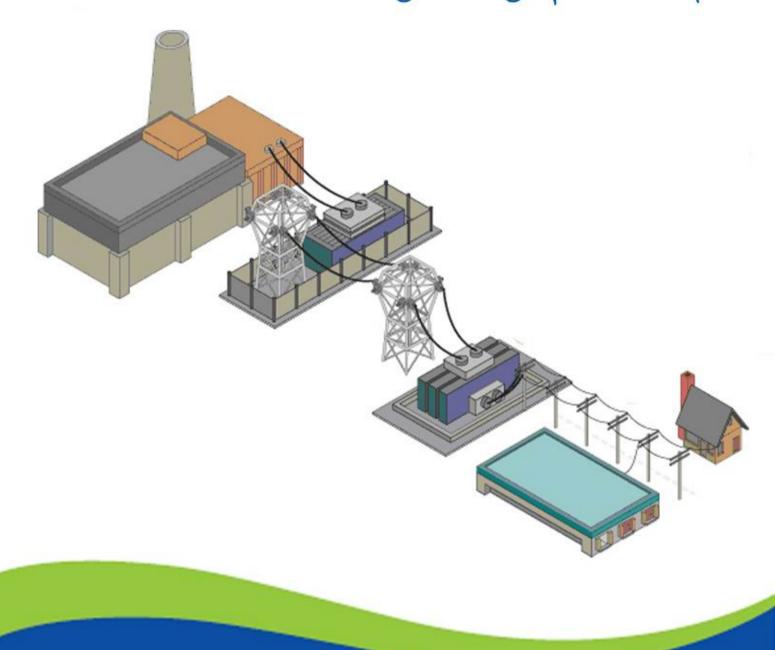
PRODUCT OVERVIEW

Energizing Your Life!





LIAONING MEC GROUP CO., LTD.

WE PROVIDE OPTIMUM SOLUTIONS TO THE CLIENTS FOR THEIR BEST BENEFITS.

Main Products



Company Qualifications

Liaoning MEC Group Co., Ltd. is an integrated group company located in the coastal city of Dalian, China. The government owned company was established in 1978 and became a share holding company in 1994. Our group company engages in the business of industrial manufacturing, international trade, logistics, real estate and we also invest in various fields as shareholders of many corporations.

We have over 1,500 employees worldwide. Our average annual turnovers are more than RMB 2,200 millions and the annual volume of import and export amounts to more than USD 250 millions.

As one of the first class power equipment suppliers in China, our product line ranges from transformer, package substation, switchgear to insulator, power fitting and other substation & transmission line equipments. Our products have been supplied to many companies all over the world which enjoy high reputations from our customers with high quality and excellent service.









Company Qualifications





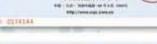








(00) 中国国家强制性产品认证证书 A-FM-T: 20000330030404 情节 (大橋) 电水板管理场域 A/#(HEE)AR. AN HE (AR) COASTING 6/8439. 44 93 (46) 46489503 0441944-10489962 FARRYSH, AB. ST MATAN (MAKETARE) PAURPHERA 上海产品等企业积极产品采取工品规则 (DCS-DC-410-1007的表表,非正元成。 RAME HISTORIA CARE: HISTORIA MACARAM SUCCESSARIA ANDREAS, MERCARE MINISTRA ANDREASTERNAME OF SEC 1 H. 可处性 cac 中国质量认证中心





中国国家强制性产品认证证书



(00) 中国国家强制性产品认证证书 MANY DESIGNATIONS 44 (大阪) 取水品产者从24 4.F. & 1518.R) 44- 44 作品(大阪)を介在を定場の日 のまれたで3人と3の他のほどが APRESO. 44 (C4) 47ABTUDA PARRIEN AR. ST REFER (RESPOND) PARSARAGE 上生产品等仓标的技产品从以至最级的 DES-400-009 2027的基本。种类系统。 从各世纪期代表达书司世代任何研究公孙的刊完都监督获得采得。



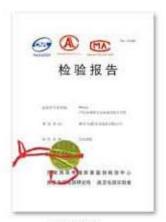
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(00) 中国国家强制性产品认证证书 MEM # 20000000111111 \$50.54. ME (65 (65) 6.56.655.04 ************** 現在 (長期) 電力成品を作の名 6/2248. AH 82 (AG) 4/48/2004 PAIGHAN, MR. 27 ULFAN (MEADFARD PARTERIAL PARTIES LEPAROSHIPAGUEREN DCI-NC-III: HITINGE, HENK RESERVISION TO **有线机会: 1014年15万万**里 以各年及都外本に各内を充分を超过よいかられたを主撃を得る中 あはそれてよれて、おおでとれても、1000年を10月1日 よれるかられてよりませんによっている。 1000年



Testing Reports



MVNEX试验报告 Testing Report of MVNEX



KYN58-40.5kV试验报告 Testing Report of KYN40.5



MCSET试验报告 Testing Report of MCSET



KYN28A-12kV试验报告 Testing Report of KYN28A-12kV



XGN试验报告 Testing Report of XGN



NEX20试验报告 Testing Report of NEX20





ZSII试验报告 Testing Report of ZS11

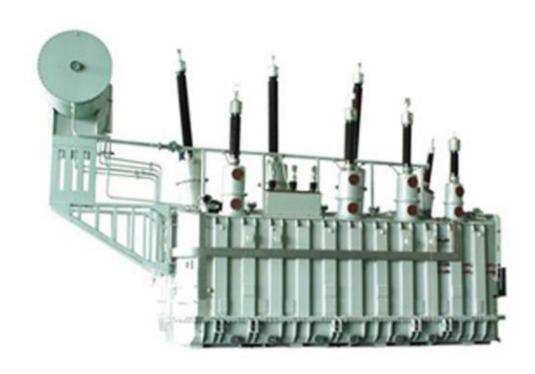
500KV TRANSFORMER



120MVA~334MVA SINGLE PHASE, THREE WINDING, ON-LOAD REGULATION POWER TRANSFORMER

Rated	Rat	ed Voltag	e		Loss (kW)	No-load	344	Short-Circuit	
Capacity (MVA)	HV (kV)	MV (kV)	LV (kV)	Connection Symbol	No-load	Load	Current (%)	Power Distribution (%)	Impedance (%)	
120					45	213	0.13	120/120/40	HV-MV	
167					53	255	0.13	167/167/40	12	
107					5	200	0.13	167/167/60]	
								250/250/40	HV-LV 34~38	
250					74	360	0.10	250/250/80	1	
334					91	442	0.08	334/334/100	MV-LV 20∼22	
120	10		F7827723-25	8	45	226	0.13	120/120/40	HV-MV	
167			15.75		53	272	0.13	167/167/60	12	
1222	500/-/3	230/√3	36	35 36		125			250/250/60	
250	525/√3 550/√3	±8 ×1.25%	38.5	la0i0	74	366	0.10	250/250/80	HV-LV 42∼46	
			63 66			150	0.00	334/334/80		
334					91	459	0.08	334/334/100	MV-LV 28~30	
120				1	45	226	0.13	120/120/40	HV-MV	
167					53	272	0.13	167/167/60	14~15	
250					74	366	0.10	250/250/80		
	12							334/334/80	HV-LV 42∼46	
334					91	459	0.08	334/334/100	MV-LV 28∼30	

220KV TRANSFORMER



31500KVA \sim 240000KVA THREE PHASE, THREE WINDING, ON-LOAD REGULATION POWER TRANSFORMER

Rated	Rate	1 Volta	age .	Connection	Loss (kW)	No-load	Power	Short-Circuit
Capacity (kVA)	HV (kV)	MV (kV)	LV (kV)	Symbol Symbol	No-load	Load	Current (%)	A STATE OF THE PARTY OF THE PAR	The second second
31500			6.3		35	154	0.77	14	
40000			6.6		42	180	0.70		
50000			10.5		48	214	0.63		HV-MV
63000	220±8 ×1.25%	69 115	11 35 37 38.5	YNyn0 d11	56	248	0.63	100/100/100	12~14 HV-LV 22~24
90000		121	10.5		74	333	0.56	4.00/4.00/50	
120000			11		92	410	0.56	100/100/50	MV-LV
150000			35		108	487	0.49		7~9
180000			37		125	599	0.49		
240000			38.5		154	741	0.45		

110KV TRANSFORMER



6300KVA \sim 63000KVA THREE PHASE, THREE WINDING, ON-LOAD REGULATION POWER TRANSFORMER

Rated	Rate	ed Volta	age	Connection	Loss (kW)		No local Comment (NA	Short-Circuit	
Capacity (kVA)	HV (kV)	MV (kV)	LV (kV)	Symbol	No-load	No-load Current (%)		Impedance (%)	
6300	× ·				9.6	44.7	0.95		
8000					11.5	53.2	0.95		
10000	1				13.7	62.7	0.89	HV-MV	
12500	1		1000		16.2	74.1	0.89	10.5 HV-LV	
16000	110±8	35	6.3	12615-26	19.4	90.3	0.84		
20000	* CONCERNATION	37	6.6	YNyn0	22.9	106.4	0.84		
25000	×1.25%	38.5	10.5	d11	27	126.4	0.78	17~18	
31500			11		32.2	149.2	0.78		
40000					38.6	179.6	0.73	MV-LV	
50000	8				45.5	213.8	0.73	6.5	
63000					54.2	256.5	0.67		

33/35KV TRANSFORMER



35KV POWER TRANSFORMER

Rated	Rated V	oltage			Losse	s (kW)	
Capacity (kVA)	HV (kV)	LV (kV)	Connection Symbol	Short-Circuit Impedance (%)	No-load (kW)	Load (kW)	No-load current
800					0.98	9.41	1.0
1000					1.15	11.54	1.0
1250				0.5	1.41	13.94	0.9
1600	0.5.504	20.00		7.0	1.7	16.67	0.8
2000	35±5%	3.15	200,000		2.18	18.38	0.7
2500	38.5±	6.3 10.5	Yd11		2.56	19.67	0.6
3150	5%				3.04	23.09	0.56
4000					3.62	27.36	0.56
5000					4.32	31.38	0.48
6300					5.25	35.06	0.48
8000				7.5	7.2	38.48	0.42
10000	35±2*	3.15			8.7	45.32	0.42
12500	2.5%	3.3			10.08	53.87	0.4
16000	6.3 38.5 6.6	YNd11		12.16	65.84	0.4	
20000			8	14.4	79.52	0.4	
25000	±2	10.5			17.02	94.05	0.32
31500	*2.5%	11			20.22	112.86	0.32

DISTRIBUTION TRANSFORMER



11KV DISTRIBUTION TRANSFORMER

Rated	R	ated volta	ge						
capacity (kVA)	H.V (kV)	MH (kV)	LV (kV)	symbol	No-load loss (W)	Load loss (W)	No-load current (%)	Short-Circuit Impedance (%)	
30					100	630/600	2.3	5	
50]				130	910/870	2		
63]				150	1090/1040	1.9		
80]				180	1310/1250	1.9		
100]				200	1580/1500	1.8		
125]				240	1890/1800	1.7	4.0	
160	6				280	2310/2200	1.6		
200	6.3	±5%		Yyn0	340	2730/2600	1.5		
250	10	or	0.4	or	400	3200/3050	1.4		
315	10.5	±2×2.5%		Dyn11	480	3830/3650	1.4		
400	11				570	4520/4300	1.3		
500]				680	5410/5150	1.2		
630]				810	6200	1.1		
800					980	7500	1.0		
1000					1150	10300	1.0	4.5	
1250]			1	1360	12000	0.9		
1600					1640	14500	0.8		

DRY TYPE TRANSFORMER



10KV THREE PHASE CAST RESIN DRY-TYPE TRANSFORMER

Rated Capacity	No-load		Load Loss (W)		Short-circuit	No-load
(kVA)	Loss (W)	100°C	120°C	145°C	Impedance (%)	Current (%)
30	198	675	713	760		2.6
50	279	941	1007	1359		2.4
80	378	1302	1387	1482		2
100	405	1492	1492	1691		2
125	477	1748	1862	1995		1.6
160	549	2014	2138	2290] 4	1.6
200	630	2385	2546	2727	4	1.6
250	729	2613	2774	2964		1.6
315	810	3287	3487	3734	1 [1.4
400	990	3772	4009	4294		1.4
500	1179	4617	4912	5254		1.4
630	1359	5558	5909	6327		1.4
630	1314	5643	5995	6413		1.2
800	1539	6584	6992	7486		1.2
1000	1791	7695	8180	8750	T [1
1250	2115	9149	9747	10431	6	1
1600	2475	11115	11780	12607		1
2000	3060	13680	14535	1552] [0.8
2500	3600	16245	17271	18487		0.8
1600	2484	12350	13015	13927		1
2000	3060	15105	16055	17100	8	0.8
2500	3600	17860	19000	20330		0.8

ELECTRIC FURNACE TRANSFORMER



ON-LOAD REGULATION ARC FURNACE TRANSFORMER

Rated	Primary	Secondary \	Voltage (V)	Secondary	Rated	Regulation		Short-Circuit	
Capacity (kVA)		Invariablenes Power	Invariablenes Current	Step Voltage (V)	Secondary Current (A)	Voltage Step	Connection symbol	Impedance (%)	Cooling Method
10000		280-240	240-100	10	24056				
12500	35	314-270	270-116	11	26729	13		7-8	
16000	66	353-305	305-137	12	30287	19 (5 Steps			
20000		392-340	340-158	13	33962	Invariablenes			20000000
25000		436-380	380-184	14	37984	Power 14	Dd0	6-7	OFWF
31500	35	489-425	425-201	16	42792	Steps	Yd11	(35kV)	or
40000	66	547-475	475-223	18	48619	Invariablenes	Ynd11		OFAF
50000	110	610-530	530-250	20	54467	Current)		7.5-8.5	
63000		673-585	580-277	22	62176	8		(66、110kV)	
80000		760-660	660-310	25	69982				

PACKAGE SUBSTATION



	Description	unit	Į.	Specification		
	Rated frequency	HZ		50 or 60	ES	
	Rated voltage	ΚV	6	10	35	
	Maximum working voltage	ΚV	6.9	11.5	40.5	
1.16.7	Power frequency withstand voltage to ground and between phases /	kV	32/36	42/48	95/118	
HV unit	Lightning impulse voltage phase to ground and between phases / Isolation cut	ΚV	60/70	75/85	185/215	
	Rated current	А		315;400;63	0	
	Rated short-term withstand current	kA	12.	5 (2s) 16(2s) 20)(2s)	
	Rated peak withstand current	kA	31.5 40 50			
	Rated Voltage	٧		380 220		
	Main loop rated current	А		100~3200		
	Rated short-time current tolerance	kA		15 30 50		
LV	Rated peak current tolerance	kA		30 63 110		
Unit	Branch current	А		10~800		
	Branch circuit number		j.	1~6		
	Compensation capacity	Kvar	0∼360 mea	sured by capac compensatior		

NEX40

Metal-clad withdrawable switchgear



Introduction

NEX40 metal-clad withdrawable switchgear is authorized to be manufactured by our factory with full support from Schenider Electric. NEX40 is medium voltage switchgear and has reached international advanced level. It is conformity with the standard of GB/IEC. NEX40 is present for substations, power stations, cement plants and industrial and mining enterprises where the rated voltage is up to 40.5kV.

- SF6 circuit breaker is used to protect reburning and over-voltage phenomena.
- Unique propelling truck can be easily moved. Simple and reliable interlocking device which can be simply installed
- Movable trolley assures the precision of breaker's structure and guarantees the interchange between breakers and switchgear.
- Simplified and friendly Human-Machine Interface makes the operation safely and easily.
- Comprehensive design concept can optimize the electric field.

Name	Units	Data
Rated voltage	kV	40.5
Rated current	А	630/1250/2000
Rated frequency	Hz	50
Rated short circuit breaking current	kA	25/31.5
Rated short circuit closing current	kA	63/80
1 minute power frequency withstand voltage	ΚV	95
Impulse withstand voltage	kV	185





Introduction

KYN28A/GZS1 metal-clad withdrawable switchgear is suitable for 3-phase AC50Hz, up to 12KV single busbar and single busbar section system. Mainly applied for power distribution, system control, protection and monitoring.

- Interlocking system
- Flexible solutions
- High level of compatibility

Name	Units	Data
Rated voltage	kV	12
Rated current	A	630/1250/2500/3150/4000
Rated frequency	Hz	50
Rated short circuit breaking current	kA	25/31.5/40
Rated short-circuit closing current	kA	63/80/100
1 minute power frequency withstand voltage	kV	42
Impulse withstand voltage	kV	75



Metal-clad withdrawable switchgear



Introduction

MVNEX metal-clad withdrawable switchgear is authorized to be manufactured by our factory with full support from Schneider Electric. MVNEX is medium voltage switchgear and has reached international advanced level. It is conformity with the standard of GB/IEC. MVNEX is present for substations, power stations, industrial and mining enterprises and cement plants where the rated voltage is up to 12kV.

- Evoils vacuum circuit breaker with arc extinguishing compartment is used.
- Unique propelling truck can be easily moved. Simple and reliable interlocking device which can be simply installed
- Movable trolley assures the precision of breaker's structure and guarantees the interchange
- between breaker and switch.
- Simplified and friendly Human-Machine Interface makes the operation safely and easily.
- Comprehensive design concept can optimize the electric field.
 Design to protect internal arc.

Name	Units	Data
Rated voltage	kv	12
Rated current	A	630/1250/2500/3150
Rated frequency	Hz	50
Rated short circuit breaking current	kA	25/31.5/40
Rated short circuit closing current	kA	63/80/100
1 minute power frequency withstand voltage	kV	42
Impulse withstand voltage	kV	75

UG550

Metal-clad withdrawable switchgear



Introduction

UG550 medium voltage, air-insulted, metal-clad withdrawable switchgear is available up to a maximum panel current of 1250A. It has gone all the test required by International Standards (IEC) and China standards (GB) small but compact, incentive to the environment, fail-safe interlocking system. Anti-arc design.

- Compact design with 550mm in width
- Supplied with the requirements of environment protection
- Fail-safe interlock device
- Comprehensive design concept can optimize the electric field.
- Design to protect internal arc.

Name	Units	Data
Rated voltage	kV	12
Rated current	А	630/1250/2000/2500/3150/4000
Rated frequency	Hz	50
Rated short circuit breaking current	kA	25/31.5/40
Rated short circuit closing current	kA	63/80/100
1 minute power frequency withstand voltage	kV	42
Impulse withstand voltage	kV	75



Low voltage switchgear



Introduction

Okken switchgear is authorized to be manufactured by our factory with full support from Schneider Electric which is low voltage switchgear and has reached international advanced level. Okken is conformity with the standard of GB/IEC. It can be used in large industrial sites, critical process sites, large infrastructure and tertiary sites, nuclear, data center, marine application.

Name (Units	Data
Rated voltage	V	690
Rated insulation voltage	٧	1000
Rated frequency	Hz	50
Horizontal busbar rated current	A	6300
Vertical busbar rated current	А	4000/2100/1500
Horizontal busbar short-time current	kA/s	150
Horizontal busbar peak withstand current	kA	330
Vertical busbar rated short-time current	kA/s	100
Vertical busbar peak withstand current	kA	220
Rated impulse voltage	kV	12
Over voltage category		IV
Degree of pollution		3
Degree of protection		IP31/41/54
Height	mm	2200/2350
Width	mm	650/900/1000/1300
Depth	mm	600/1000/1200



Low voltage switchgear



Introduction

Blokset switchgear is authorized to be manufactured by our factory with full support from Schneider Electric. Blokset is low voltage switchgear and has reached international advanced level. It is conformity with the standard of GB/IEC. Blokset is present for medium and large industrial sites: mining, manufacturing industry, large commercial building areas and infrastructures where the rated voltage is up to 690V.

Name	Units	Data
Rated voltage	V	400/690
Rated insulation voltage	V	1000
Rated frequency	Hz	50
Horizontal busbar rated current	A	6300
Vertical busbar rated current	A	4000/2100/1500
Horizontal busbar rated short-time current	kA/s	100
Horizontal busbar peak withstand current	kA	220
Vertical busbar rated short-time current	kA/s	85
Vertical busbar peak withstand current	kA	187
Rated impulse voltage	kV	12
Overvoltage category		IV
Degree of pollution		3
Degree of protection		IP31/42/54
Height	mm	2200
Width	mm	700/900/1100
Depth	mm	600/1000



Low voltage switchgear



Introduction

Prisma is authorized to be manufactured by our factory with full support from Schenider Electric. Prisma is low voltage switchgear and has reached international advanced level. It is conformity with the standard of GB/IEC. It is present for low voltage distribution and control switchboards for tertiary and industrial buildings where the rated voltage is up to 690V.

- Modular design, Interchangeable functional units
- Simplified maintenance and installation, possibility of upgrading
- Incorporated in all environments, high safety and reliability
- Type-tested assemblies of switchgear
- Unique design

Name	Units	Data
Rated voltage	V	400/690
Rated insulation voltage	V	1000
Rated frequency	Hz	50
Busbar rated current	A	4000
Busbar short-time withstand current	kA/s	85
Busbar rated peak withstand current	kA	187
Rated impulse voltage	kV	12
Overvoltage category		IV
Degree of pollution		3
Degree of protection		IP31/54
Height	mm	2025
Width	mm	700/900/1100
Depth	mm	400/600/1000





Introduction

MCS low voltage withdrawable switchgear is composed of power distribution center and motor control center, which is applied for 50Hz, rated working voltage up to 690V. It is largely used in power stations, substations, mine enterprises, and industrial buildings. It meets with the standard of GB7251/IEC60439.

Name	Units	Data
Rated voltage	٧	400/690
Rated insulation voltage	V	1000
Rated frequency	Hz	50
Horizontal busbar rated current	А	5500
Vertical busbar rated current	А	2000
Horizontal busbar rated short-time current	kA/s	100
Horizontal busbar rated peak withstand current	kA	220
Vertical busbar rated short-time current	kA/s	85
Vertical busbar rated peak withstand current	kA	187
Rated impulse voltage	kV	12
Overvoltage category		IV
Degree of pollution		3
Degree of protection		IP31/42/54
Height	mm	2200
Width	mm	600/800/1000/1200
Depth	mm	600/1000/1200

MNS 2.0 Low voltage switchgear



Introduction

MNS2.0 is low voltage switchgear authorized and supported by ABB to be manufactured by our factory. MNS2.0 is proven in terms of quality, performance and safety and has reached the international level. It is widely applied to industrial market, commercial market and residential market.

Name	Units	Data
Rated voltage	V	400/690
Rated insulation voltage	٧	1000
Rated frequency	Hz	50
Horizontal busbar rated current	A	6300
Vertical busbar rated current	А	2000
Horizontal busbar rated short-time current	kA/s	100
Horizontal busbar rated peak withstand current	kA	220
Vertical busbar rated short-time current	kA/s	85
Vertical busbar rated peak withstand current	kA	187
Rated impulse voltage	kV	12
Overvoltage category		IV
Degree of pollution		3
Degree of protection		IP31/42/54
Height	mm	2200
Width	mm	600/800/1000/1200
Depth	mm	600/1000/1200





Introduction

XGreen is a new generation of environment-friendly product. The product is famous for its high-level of safety operation and applied for the 12kV power system. With compact design and sealed metal enclosure which can avoid the impact on environment. All primary parts installed in the sealed cabinet. No SF6, vacuum breaking and solid-insulated technology, integrated computer control protection.

Specification	Unit	Parameter		
Rated voltage	KV	12	17.5	24
Rated busbar voltage	A	630	630	630
Impulse withstand voltage	kV	75	95	125
Frequency withstand voltage	kV	42	38	50
Rated short-time withstand current	kA/s	20/2	16/1	16/1
Rated peak withstand current	kA	50	40	40
Internal arc withstand current	kA/s	20/1	16/1	16/1
Circuit breaker				
Rated current	А	200(630)	200	200
Rated short-circuit breaking current	kA	20	16	16
Rated short-circuit making current	kA	50	40	40
Rated short-circuit withstand current	kA/s	20/2(20/4)	16/1	16/1
Load circuit breaker				
Rated current	А	630	630	630
Rated load current factor is 0.7	A	630	630	630
Rated short-circuit making current	kA	50	40	40
Rated short-circuit withstand current	kA/s	20/2	16/1	16/1



Air-insulated ring main unit



Introduction

SM6 is an air-insulated ring main unit which is compliance with the standard of GB/IEC. SM6 units are widely used for the MV secondary distribution in MV/LV transformer substations in public distribution systems and MV consumer of distribution substations up to 24kV.

- Compact design, easy installation, less maintenance, high reliability
- Flexible extensibility, high safety, rich of operational experience
- Three position switch for natural interlocking, fail-safe interlock facility

Name	Units	Data	
Rated voltage	kV	12	24
Rated current	A	630	
Rated frequency	Hz	50	
Rated short circuit breaking current	kA	20/25	20
Rated short circuit closing current	kA	50/63	50
1 minute power frequency withstand voltage	kV	42	65
Impulse withstand voltage	kV	75	125
Rated breaking current of no-load transformer	A	16	
Rated breaking current of no-load cable	A	25	
Thermal stability current	kA/s	20/4 or 25/1	20/4
Transfer current	А	1750	1400
Internal arc	kA/s	16/1 or 20/1	





Introduction

RM6 is gas-insulated ring main unit of very compact design. RM6 is compliance with the standard of GB/IEC. It is suitable for all utility or industrial distribution networks up to 24 kV.

- Easy for installation, less maintenance, high reliability, flexible extensibility, high safety, highly compact configuration
- Rich of operational experience
- With IP67 degree of protection, full insulation and sealed
- Three position switch result to natural interlock, Fail-safe interlock device
- Incorporated in all environments

Name	Units	Data	
Rated voltage	kV	12	24
Rated current	А	630	
Rated frequency	Hz	50	
Rated short circuit breaking current	kA	20/25	20
Rated short circuit closing current	kA	50/63	50
1 minute power frequency withstand voltage	kV	42	65
Impulse withstand voltage	kV	75	125
Rated breaking current of no-load transformer	A	16	
Rated breaking current of no-load cable	А	25	
Thermal stability current	kA/s	20/4 or 25/1	20/4
Transfer current	А	1750	1400
Internal arc	kA/s	16/1 or 20/1	





Introduction

Biosco prefabricated substation is designed for MV/LV substations for public and commercial distribution and industrial buildings up to 12KV.

- Safety and operating dependability
- Unique temperature rise process, optimal ventilation structure
- Elegant appearance, ability of anti-corrosion
- Easy of operation and installation, modular multi-functional design

Name		Units	Data
Oublete	Degree of temperature rise	grade	10
Cubicle	Degree of noise	dB	44
	Rated frequency	HZ	50
Rated po	Rated voltage	ΚV	12
	Rated power frequency withstand voltage, phase to earth, phase-to-phase, isolated fracture	ΚV	42/48
Medium-voltage	Rated impulse withstand voltage, phase to earth, phase-to-phase, isolated fracture	ΚV	95/110
Unit	Rated Voltage	А	630
	Rated short-time current	kA	20/3or25/1 sec
	Rated peak withstand current	kA	50 or 63
	Degree of protection	IP33D	
	Rated Voltage	٧	400
	Main circuit rated current	А	100~1600
Louveltone	Rated thermal stability current	kΑ	30/1sec
Low-voltage Unit	Rated dynamic current	kA	63
5,111	Degree of protection	IP33D /IP34D	
	Compensation capability	kvar	0~300
Transformer	Rated capability	KVA	160~1000
Unit	Degree of protection	IP23D	



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