

BLOKSET

施耐德授权产品

低压开关柜

Low-voltage Switchgear



产品概述

Blokset 低压开关柜施耐德公司授权我公司生产的开关设备，它适用于 50/60Hz，额定电压 690 V，绝缘电压 1000 V，额定电流 6300 A 及以下的电力供电系统，符合 IEC60439-1、IEC60529、IEC60947、GB7251.12 等相关标准，可作为动力配电中心、电动机控制中心、电容补偿及终端配电等电能控制、转换与分配设备使用。适用于发电厂、变电所、工矿企业、并广泛地应用于国家重点工程，特别是国内的政府机关大楼、行政中心、金融系统、商贸大厦及电信系统等城市重要建筑领域。

Product Summary

Blokset series switch cabinet is the Schneider electric products specifically designed for low voltage distribution, which applies to 50/60Hz below rated voltage 690V, insulated voltage 1000V, rated current 6300A and below the power supply system to meet IEC60439-1, IEC60529, IEC60947,GB7251.12and related standards can be used as power distribution centers, motor control centers, terminal capacitance compensation and other power distribution control, conversion and distribution of not ready for use. It is suitable for power generation plant, substation, industrial and mining enterprises, civil infrastructure and other fields.

环境条件

- 运行条件：户内；
- 海拔高度：≤ 2000m；
- 地震烈度不大于 8 度；
- 周围空气温度上限：+40℃；
- 24 小时平均温度上限：+35℃；
- 周围空气温度下限：-5℃；
- 周围环境相对湿度在 +40℃时为 50%；
- 没有火灾、爆炸危险、严重污秽及足以腐蚀金属和破坏绝缘的气体等恶劣场所；
- 没有剧烈震动、颠簸的场所。

Environmental Conditions

- Operating Condition: Indoor.
- Altitude: No more than 2000m.
- Earthquake Intensity: No more than 8 degrees.
- Ambient Temperature: No more than +40℃ .
- Average temperature within 24 hours: No more than +35℃ .
- Ambient Temperature: No less than -5℃ .
- Relative Humidity: 50% when the temperature is +40℃ .
- No fire, explosion danger, serious dirt, chemical corrosion and violent vibration for product installed place.
- No violent vibration, shake and bumpy site.

产品特点

- 由标准化预制元件组成，具有灵活性、快速制造、便于修改或功能扩展等优点。
- 最出色的电气绝缘性能：
额定绝缘电压 1000V(AC)
额定冲击耐受电压 12kV
过压类别 IV
- 最高级别的内燃弧故障耐受力：85kA /0.3s；
- 卓越的固定分隔柜方案：
结构简单可靠、避免磨损配电母线
固定接线保障更高的电气连接质量
- 固定分隔柜拥有业界最高的垂直母排载流量：3200A；
- 最完整的固定分隔及抽出式方案，专为施耐德元器件设计，最佳优化元件安装位置轻松实现 MT 与 NSX 混装。
- 具有可靠的闭锁装置，满足“五防”功能的要求。
- 专有的挂锁设计，防止误操作。
- 升级更轻松，全系列方案满足 690V 的要求。
- 产品通过了内部燃弧耐受、抗震、盐雾及 EMC 电磁兼容性试验，运行安全可靠。

Product Features

- It is comprised of standardized prefabricated components, and it has advantages such as flexibility, rapid manufacturing, easy to modify or function extension, etc.
- The best electric insulation performance:
Rated insulation voltage 1000V(AC)
Rated impulse withstand voltage 12kV
Overvoltage category IV
- Internal arc fault tolerance of the highest level: 85kA /0.3s;
- Excellent schemes of fixed separating cabinet:
Simple and reliable structure, avoiding abrading distribution bus.
Fixed wiring, ensuring higher quality of electrical connection.
- Fixed separating cabinet has the highest vertical busbar carrying capacity in the industry: 3200A;
- The most complete fixed separation and drawer type schemes, specially designed for components and parts of Schneider. The optimized installation positions of components can easily realize the mixed installation of MT and NSX.
- It has a reliable locking device, and it can meet the requirements of “five prevention” functions.
- Exclusive padlock design, avoiding the misoperation.
- Easier upgrade, whole series scheme meets the requirements of 690V.
- This product has passed internal arc duration test, earthquake resistant test, salt atmosphere test, and EMC test, operating safety and reliable.

技术参数

序号 Sr.	名称 Content		单位 Unit	数值 Value
1	额定工作电压 Rated Operating Voltage		V	400/690
2	额定绝缘电压 Rated Insulation Voltage		V	1000
3	额定频率 Rated Frequency		Hz	50/60
4	主母线 Main Bus-Bar	额定电流 Rated Current	A	≤6300
		额定短时耐受电流（1s）Rated Short-time Withstand Current(1s)	kA	≤100
		额定峰值耐受电流 Rated Peak Withstand Current	kA	≤220
5	配电母线 Distribution Bus	额定电流 Rated Current	A	≤2000
		额定短时耐受电流（1s）Rated Short-time Withstand Current(1s)	kA	≤80
		额定峰值耐受电流 Rated Peak Withstand Current	kA	≤176
6	Imin 辅助回路工频耐受电压 Aux. circuit Frequency Withstand Voltage in 1min		kV	2
7	额定脉冲耐受电压 Rated Impulse Withstand Voltage		kV	8
8	内部燃弧耐受（0.3s）Internal Arc Duration Test(0.3s)		kA	85
9	防护等级 Protect Degree		IP	至 IP54 To IP54
10	电气间隙 Electrical Clearance		mm	≥14
11	爬电距离 Creepage Distance		mm	≥16
12	过电压等级 Over-voltage Level		-	Ⅳ
13	污染等级 Class of Pollution		-	3

Technical Parameters

开关柜结构尺寸示意图

推荐高度 Recommended Height	2200
推荐宽度 (见表 1) Recommended Width(See to Chart 1)	
D 型 D Type	700/900/1100/1200/1300
Dc、Ms 型 Dc、Ms Type	700/900/1100
Mf 型 Mf Type	700/900/1100/1300
Mw 型 MwType	700/900
Mx 型 Mx Type	600/800/1000
推荐深度 Recommended Depth	
D、Mf 型 D、Mf Type	400/600/1000
Dc、Ms、Mw、Mx 型 Dc、Ms、Mw、Mx Type	600/1000
标准安装模数 Standard Installation Module	M=50
标准单元模数 Stanard Cell Module	
Mw 型抽屉单元 Mw Drawer Structure	3M、4.5M、6M、9M、12M
Mx 型抽屉单元 Mx Drawer Structure	2M、3M、4M、4M/2、6M、9M、12M

Structure Dimension and Sketch

宽度 (mm)	X(mm)	Y(mm)	Z(mm)
700	-	700	-
900	200	700	-
	-	700	200
	-	900	-
1100	200	700	200
	400	700	-
	-	700	400
1200	-	1200	-
1300	200	700	400
	400	700	200
600	-	600	-
800	-	600	200
1000	-	600	400