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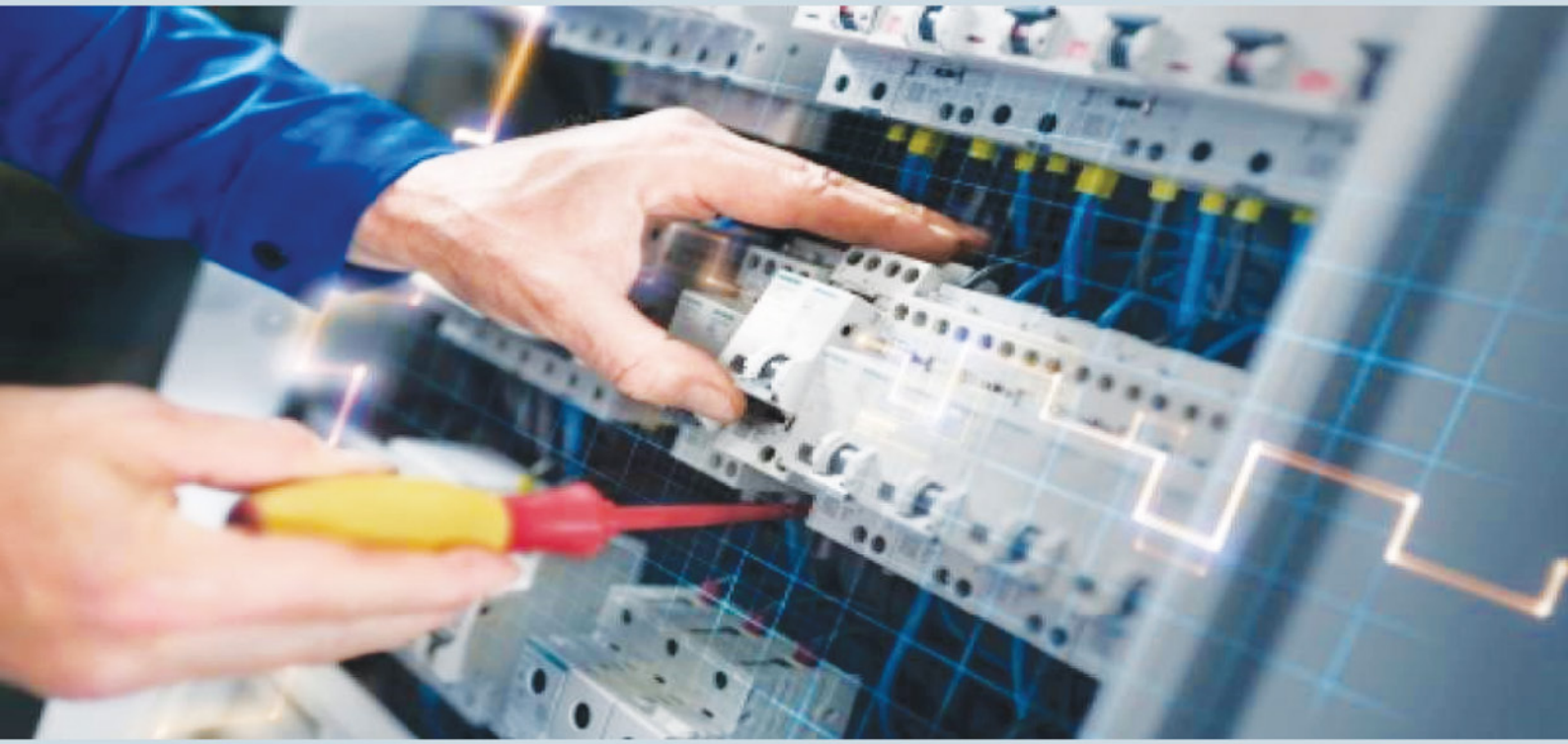
TAING KIM SRENG Co., Ltd



Company Profile

2018

At KSR, we bring the power to you.

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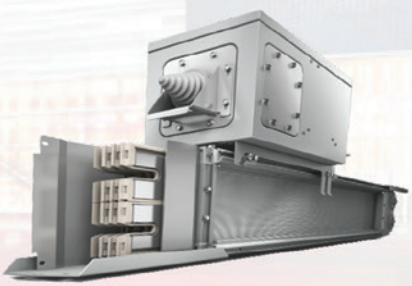


We innovate, produce and trade electrical switchboard of outstanding quality to meet your business needs.

We offer you increased energy efficiency, improve productivity, and make your business more profitable.

About OUR COMPANY

TAING KIM SRENG Co., Ltd (KSR) is an electrical switchboard manufacturing company specialized in supply, design, manufacturing, assembly and testing, and site installation. We have over 10 years of experience in engineering and manufacture low-voltage switchboard assemblies, distribution boards and starter panels; therefore, We are enthusiastically capable enough to offer superior services and high quality of products to support a wide range of commercial facilities and construction projects including industrial plants, residential, hospital, etc.

We supply a high quality of fabricated enclosure that meets your requirements by providing engineering turnkey solutions for all types of electrical switchboards with expert technical support throughout Cambodia as well as overseas. We also experience in supplying Medium-Voltage Switchgears and MV Outdoor components which offer safety for our customer's facilities, while simplifying operation, maintenance and minimizing installation cost.

Our Services Procedure

STEP 1

Our team receive specifications and line-drawn diagrams from you.

STEP 2

Our design team works out the optimum design; at this stage, we'll work with you and advise on the best components for the application and budget.

STEP 3

Our sales team corresponds with you to confirm quotation and design

STEP 4

Once we have been received your orders, our design team provides detailed layout designs for schematics, labeling and equipment details.

STEP 5

After you've approved the design, we'll begin the fabrication drawing. These include both machine drawings and 2D/3D workshop drawings

Warranty

12 months standard warranty policy with a special package such as:

- Assistance on commissioning; On-site installation
- Quality Control Plan Report
- Technical Training on Electrical distribution and control and on Advanced products e.g. VSD, PLC, etc.

STEP 6

The switchboard is manufactured.

STEP 7

We test the switchboard to the expectations of your project by complying IEC standard.

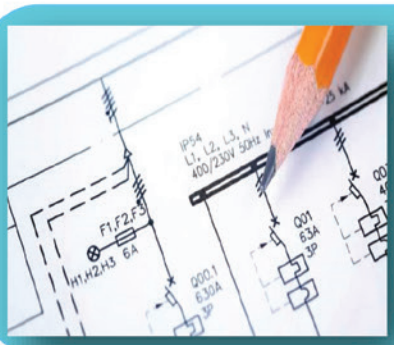
STEP 8

The switchboard is packed, shipped, and delivered to your project destination.

STEP 9

We also offer "After-Sale Service" for all of products which are manufactured in order to ensure that your needs are eventually fulfilled.

THE MANUFACTURING PROCESS



DESIGN

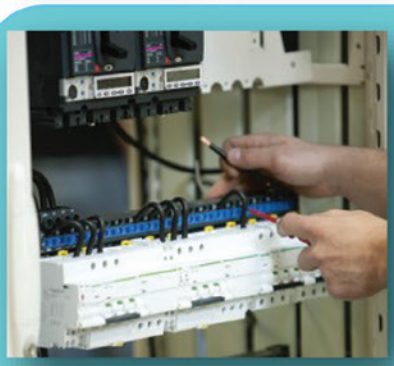
We have come out a safety & reliable modular type switchboard panels.

Based on our 10 years experience in this industry. We have a team of experience engineer and technician always working toward a system for all your applications requiring a high level of dependability. Our design teams inclusive of electrical circuit designer and panel designer.

FABRICATION

Our switchboard manufacturing are fully computerized.

For the mechanical parts fabrication, our switchboard manufacturing are fully computerized. Our integrated CAD/CAM software, CNC machines are taken part from the initial design stage to the final product fabrication. For the painting process, all our products are coated by epoxy powder coating with chemical treatment for antirust and oven baked.



ASSEMBLY

Part assembly, component assembly, busbar fabrication and etc.

Our assembly process can be separated into:

- Parts assembly
- Component assembly
- Busbar Fabrication and Installation
- Delivery to site
- Cabling and Control Wiring Installation
- Testing / Factory Acceptance Test

TESTING

A joint witnessed testing will be conduct before delivery.

To ensure the switchboard assemblies is in compliance IEC standard and requirement, a joint witnessed testing will be conducted at our factory before delivery.

- Visual Inspection
- Inspection of wiring and electrical operation test
- Checking of protective measures and electrical continuity of the protective circuits
- Verification of insulation resistance
- Functionality simulation

Developing layout convenience, reducing installation costs and minimizing the impact and cost of changes to the system are strategically our expert technical team's design targets for all types of aspect of front connected distribution switchboards. KSR switchboards allow for the smallest footprint in the industry, and their rugged designs have essentially the flexibility in electrical systems for industrial plants, commercial buildings, residential, and hospitals.

Consumer Units

Surface or Concealed Type 12, 26, & 36 Way

KSR SWITCHBOARD

KSR DISTRIBUTION BOARD Up to 160A

KSR DISTRIBUTION BOARD Up to 1250A

KSR DISTRIBUTION BOARD Up to 630A

KSR DISTRIBUTION BOARD Up to 400A

KSR DISTRIBUTION BOARD Up to 1250A

KSR DISTRIBUTION BOARD Up to 6300A

MAIN SWITCHBOARD UP TO 6300A

ELECTRICAL CHARACTERISTIC

Rated Voltage

Rated Operational Voltage (V AC)	220 V up to 415V
Rated Impulse Withstand Voltage U_{Imp} (kV)	8
Degree of pollution	3
Frequency (Hz)	50/60 Hz

Rated Current

Main busbar

♦ Rated Current (Amp)	6A up to 6300 A
♦ Rated Short Time Withstand Current (kA)	10 A up to 100 kA

Distribution Busbar

♦ Rated Current (Amp)	Up to Request
♦ Rated Short Time Withstand Current (kA)	10 kA - 100 kA

MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1

Degree of Protection According to IEC 61439-2	External IP55 / 65 Internal 2X & 4X
Surface Protection	Oven Baked
Standard Colors	RAL 7035, *Thickness Up to 100 µm* Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Busduct entry	Upon Request

MATERIAL	Frame Structure Material	Material thickness				
		Frame Structure	Front Cover	Side / Rear Cover	Internal Separation	Base
	EG sheet	2.5mm/2.0mm	2.5mm/2.0mm	2.0 mm	2.0 mm	2.0 mm steel sheet

Material

Frame Structure Material	EG sheet
Material thickness:	
Frame Structure	2.5mm/2.0mm
Front Cover	2.5mm/2.0mm
Side / Rear Cover	2.0 mm
Internal Separation	2.0 mm
Base	2.0 mm steel sheet

ELECTRICAL CHARACTERISTIC

Rated Voltage

Rated Operational Voltage (V AC)	220 V Up to 415V
Rated Impulse Withstand Voltage U_{Imp} (kV)	8
Degree of pollution	3
Frequency (Hz)	50/60 Hz

Rated Current

Main busbar

♦ Rated Power (KW)	Up to 3300 kW
♦ Rated Short Time Withstand Current (kA)	Up to 100 kA

Distribution Busbar

♦ Rated Current (Amp)	Up to 2600 A
♦ Rated Short Time Withstand Current (kA)	Up to 36 kA

MECHANICAL CHARACTERISTIC

Form According to IEC 616	Form 1/ 2b/ 3b/ 4b
Degree of Protection According to IEC 61439- 2	External IP55 / 65 Internal 2X & 4X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, *Thickness Up to 100 µm* Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers

Power Factor Correction Switchboard

ELECTRICAL CHARACTERISTIC

Rated Voltage	
Rated Operational Voltage (V AC)	Up to 600V
Frequency (Hz)	50/60 Hz

PFC FEATURE

Total KVAR	Up to 1500 KVAR Or > 1500 KVAR can be request
Switching Step	6, 8, 12, and 14 steps

MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1	Form 1/ 2b/ 3b/ 4b
Degree of Protection According to IEC 61439	External IP55 / 43 Internal 2X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, *Thickness Up to 100 µm*
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers

MATERIAL

Frame Structure Material	EG sheet
Material thickness:	
♦ Frame Structure	2.5mm (Floor Standing) / 1.5 mm (Wall Mounted)
♦ Front Cover	2.5mm (Floor Standing) / 1.5 mm (Wall Mounted)
♦ Side / Rear Cover	2.5mm (Floor Standing) / 1.5 mm (Wall Mounted)
♦ Internal Separation	1.5mm (Floor Standing) / 1.5 mm (Wall Mounted)

Outdoor Waterproof Switchboard

MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1	Form 1/ 2b/ 3b/ 4b
Degree of Protection According to IEC 61439	External IP55 / 43 Internal 2X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, *Thickness Up to 100 µm* Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Enclosure Material	EG Sheet / Stainless Steel
Material thickness	2.0mm/ 1.5mm / 1.2mm

Auto Transfer Switch -ACB Switchboard

ELECTRICAL CHARACTERISTIC

Rated Voltage

Rated Operational Voltage (V AC)	Up to 415V
Frequency (Hz)	50/60 Hz

Rated Current

Main busbar

♦ Rated Current (Amp)	Up to 6300 A
♦ Rated Short Time Withstand Current (kA)	Up to 100 kA

MECHANICAL CHARACTERISTIC

Form According to IEC 61641-1	Form 1/ 2b/ 3b/ 4b
Degree of Protection According to IEC 61439	External IP55 / 65 Internal 2X - 4X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, *Thickness Up to 100 µm* Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Busduct entry	Upon Request

Material

Frame Structure Material	EG sheet
Material thickness:	
Frame Structure	2.5mm/2.0mm
Front Cover	2.5mm/2.0mm
Side / Rear Cover	2.0 mm
Internal Separation	2.0 mm
Base	2.0 mm

MECHANICAL CHARACTERISTIC	
Form According to IEC 61641-1	Form 1/ 2b/ 3b/ 4b
Degree of Protection According to IEC 61439	External IP55 / 65 Internal 2X - 4X
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked
Standard Colors	RAL 7035, *Thickness Up to 100 µm* Other Colors Upon Request
Access	Front and Rear
Cable Entry	Top and Bottom
Ventilation	Mechanical Air Louvers
Enclosure Material	EG Sheet / Stainless Steel
Material thickness	2.0mm/ 1.5mm / 1.2mm

Sub Switchboard & Didtribution Board

ELECTRICAL CHARACTERISTIC	SSB	DB
Rated Voltage		
Rated Operational Voltage (V AC)	Up to 600V	
Frequency (Hz)	50 Hz	
Rated Current		
Main busbar		
♦ Rated Current (Amp)	Up to 1000 A	Up to 50 kA
♦ Rated Short Time Withstand Current (kA)	Up to 36 kA	Up to 50 kA
Distribution Busbar		
♦ Rated Current (Amp)	Up to 20 A	Up to 800 A
♦ Rated Short Time Withstand Current (kA)	6 kA	50kA

MECHANICAL CHARACTERISTIC	SSB	DB
Form According to IEC	2B/3B	1/2B
Degree of Protection According to IEC	External IP55 / 65 Internal 2X - 4X	
Surface Protection	Anti Rust Treatment / Epoxy Power Coating / Oven Baked	
Standard Colors	RAL 7035, *Thickness Up to 100 µm* Other Colors Upon Request	
Access	Front	
Cable Entry	Top and Bottom	
Ventilation	Mechanical Air Louvers	
Enclosure Material	Hot Roll Mild steel sheet	
Material Thickness	2 mm /1.5 mm	1.5mm/1.2mm

Technical Features

- Standards: EN60898-1
- Rated Voltage: 230/400 V AC
- Sealable handle
- Degree of protection: IP40
- Mounting Position: any
- Ambient temperature: -25°C …+55°C
- Climate-resistant: according to IEC 60068-2-30
- Rectangular terminal version for accommodating pin busbars together with conductors from 0.75 to 33mm^2
- 1 to 4-pole version
- Touch protection
- Rated Current: 0.3 A — 63 A

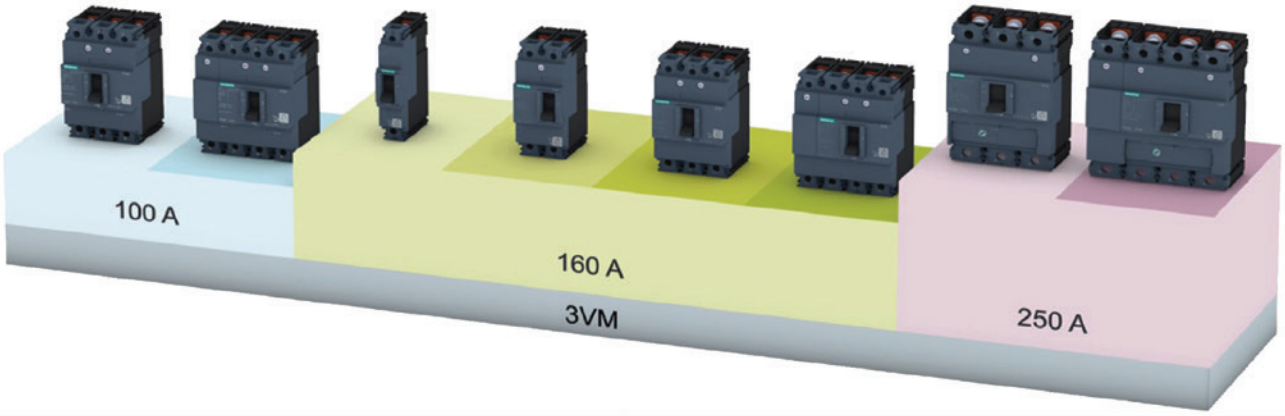
Miniature Circuit Breakers

5SL4 MCB series

Benefits

- Suitable for the quick and easy mounting of additional component, such as auxiliary switches and fault signal contact.
- The 5SL4 miniature circuit breaker can also be combined with shunt trips, under voltage release and arc fault detection device

Miniature Case Circuit Breakers (M C C B)



3VM MCCB

- The 3VM MCCBs are an integral component of our cost -effective power distribution system.
- The 3VM MCCB are available in:
  - 3 and 4-pole versions (100A, 160A, 250A)
  - 1 and 2-pole versions (160A)
- Rated operational currents ranging from 16A to 250A and Rated voltages up to 500 V, depending on the series and size.

Features and Benefit

The key features of the 3VM series are:

- Compact design
  - Breaking capacities of 16 kA … 55 kA at 415 V (3 or 4 pole), and 36 kA at 240 V (1 pole)
- Fixed-mounted, plug-in version
- Thermal-magnetic trip units
- AC/DC applications
- No derating up to +50 ^{0} C
- Modular and easy-to-fit internal accessories with diverse functions
- Universal platform of accessories across all sizes

Air Circuit Breaker -ACB

3WL ACB up to 6300 A

Safety and reliability

- Protect circuit breakers and system to against unauthorized switching by containing many locking devices.
- Infeed from above or below, as required
- Locking of the guide frame with the circuit breaker removed, as standard
- Locking of the withdrawable circuit breaker against movement, as standard
- High degree of protection with cover IP55
- Mechanical reclosing lockout after overload or short-circuit tripping, as standard
- The circuit breaker is always equipped with the required number of auxiliary supply connectors.

Features

- Coordinated communication concept using the PROFIBUS DP or MODBUS, ranging from 16A to 6300 A with 3VL MCCB and 3WL ACB
- The high level of modularity of circuit breakers and accessories allows easy retrofitting of all communication components
- Significant additional benefits for the switchgear due to the possibility of linking up external input and output modules to the circuit breaker-internal **Cubicle**BUS of the 3WL.
- Innovative software products for parameterization, operation, monitoring, and diagnostic for circuit breakers, both locally or via PROFIBUS DP, MODBUS or Ethernet/Intranet/Internet.
- Complete integration of the circuit breakers into the Totally Integrated Power and Totally Integrated Automation solutions.

3WT ACB up to 4000 A (AC)

Safety and reliability

- High degree of protection with door sealing frame in the case of exclusively local operation of the circuit breaker
- Infeed supply from above or below, as required
- Locking the withdrawable circuit breaker against moving
- Locking of the guide frame with circuit breaker removed
- Signaling switch for overload and short-circuit tripping with mechanical reclosing lockout
- High degree of protection with cover IP55
- Mechanical reclosing lockout after overload or short-circuit tripping
- The circuit breaker is always equipped with the required number of auxiliary supply connectors

Specifications

IEC 60947-2, GB 14048.2, CCC Approval, climate-proof to IEC 60068-2-30

Residual Current Protective Device

5SV RCCBs

- RCCBs all systems up to 240/415 V AC.
- RCCBs residual current of maximum 30 A.
- RCCBs 10 mA are primarily used in areas that represent an increased risk for personnel.

1P+N, 230 V AC

3P+N, 400 V AC

Features and Benefit

- Instantaneous residual current operated circuit breakers with the N connection on the left or right-hand side enable simple bus mounting with standard pin busbars with miniature circuit breakers installed on the right-hand side.
- Instantaneous type A devices have surge current withstand capability with current waveform 8/20 µs of more than 1 kA, super resistant of more than 3 kA and selective of more than 5 kA.
- Safe operation and extremely long service life
- Identical dimensions enable the quick and easy replacement of existing instantaneous RCCBs.
- Super resistant device by increase system availability
- Selective RCCBs increase system availability as a staggered tripping time enable the selective tripping of RCCBs connected in series in the even of fault.
- Auxiliary switch, fault single contacts, under voltage release or shunt trips are also available as additional components.
- By means of internal contacts, effective touch protection is provided when grasping and manually operating the latching slide.
- To facilitate entry of pin busbars with connection cables up to 35 mm^2, the devices are equipped with rectangular terminals for the accommodation of funnel-shaped cable entries.
- By means of standardized clearances of the terminals in modular width dimensions, the RCCBs can be optional connected to busbars on the top or on the bottom.

Residual Current Protective Device

5SU1 RCBOs

- RCBOs are a combination of an RCCB and a miniature circuit breaker in a compact design for personnel, fire and line protection.
- RCBOs one part for fault-current detection and one part for over current detection.
- Delayed overload / time-dependent terminal release
- Low over currents and with an instantaneous electromagnetic release for higher overload and short-circuit currents.

Benefit

For all versions

- Clear and visible conductor connection in front of the rear busbar facilitates controls
- Large and easily accessible wiring apace enable easy insertion of conductor in the terminals
- The surge current withstand capability of over 1 kA ensures safe and reliable operation.
- All addition components for miniature circuit breakers can be retrofitted on the right-hand side.

For all 10 kA versions up to 40 A

- Integrated movable terminal covers located at the cable entries ensure the terminals are fully insulated when the screws are tightened. The effective touch protection when grasping the device considerably exceeds the requirements of BGV A3
- The RCBOs can be quickly and easily removed from the assembly by hand if connections need to be changed. Time-saving replacement of part as busbars on longer need to be freed from adjacent miniature circuit breakers.

For all 125 A versions

- The RCBOs offer external remote tripping over terminals **Y1/Y2**. This supports implementation of central **OFF** circuits.

Industrial Control Products

Motor Starter Protector

SIRIUS 3RV6/3RV5

- **Features and Benefit**

Motor starter protectors/circuit breakers are compact, current limiting motor starter protectors/circuit breakers which are optimized for load feeders.

- **Application**

The motor starter protectors/ circuit breakers are used for switching and protecting three phases motors of up to 45kW at 400 V AC and for other loads with rated currents of up to 100A.

Contactors

SIRIUS 3RT6/3RT5

Contactors Relays

SIRIUS 3RH6

Sizes S00 to S12, up to 250 kW

Standards

IEC 60947-1, IEC 60947 -4- 1, IEC 60947 -5-1 (auxiliary witches)

3RT6 contactors are finger-safe according to EN 50274.

Contact reliability

If voltages ≤ 110 V and currents ≤ 100 mA are to be switched, the auxiliary contacts of the 3RT6 contactor or 3RH61 contactor relay should be as they guarantee a high level of contact reliability.

Control supply voltage

Contactors S00 to S3 are available as AC or DC operations.

Contactors S6 to S12 are available as AC/DC versions.

Standards

- IEC 60947-1, IEC 60947-4- 1, IEC 60947-5-1
- The 3RH6 contactor relays have screw terminals.
- They are suitable for use in any climate.
- They are finger-safe according to EN 50274.

Contact reliability

- High contact stability at low voltage and currents
- Suitable for solid-state circuit with currents ≥ 5 mA at a voltages of ≥ 17 V

Thermal Overload Relays

3RU61
(Up to 40A)

3RU51
(Up to 100A)

3RU5156
(Up to 205A)

3RU5166
(Up to 320A)

3RU5176
(Up to 500A)

- **Feature and Benefits**

The 3RU61 and 3RU51 thermal overload relays are suitable for customers from all industries who want to guarantee optimum inverse-time delayed protection of their electrical loads (e.g. motors) under normal starting conditions

- **Application**

- Have been designed for the protection of three-phase and single-phase AC and DC motors.
- If single-phase AC or DC loads are to be protected by the 3RU thermal overload relays, all three bimetal strips must be heated. For this purpose, all main current paths of the relay must be connected in series.

Variable Sple Speed Drive (VSD)

G120P

Technical Features

- Power range: 0.37 kW to 75 kW (IP20) / 90 kW (IP55)
- Voltage range: 3AC 380...480V
- Standard with RS485: /USS, Modbus/RTU, BACnetMS/TP
- Optional control units with PROFIBUS DP, CAN open
- 4 internal PID controllers
- High degree of protection IP55/UL Type 12, and for control cabinet IP20
- With EMC filter class A (C2) or class B (C1)
- Modular design of power and control electronics

G120

Technical Features

- Power range: 0.37 kW to 250kW (IP20)
- Available in low-voltage, medium-voltage as well as DC versions
- High degree of flexibility and combinability
- Simple coupling to SIMATIC control systems and seamless automation integration through the Siemens Totally Integrated Automation Portal
- Higher-level, standard safety integrated concept
- Standard and unified functionality resulting from common hardware and software
- Common engineering

Power Efficiency and Controlling Components

Auto Transfer Switch

Current Transformer (CT)

Timer Relay

Surge Arrester

Capacitor Bank

Commanding and Signaling Devices

Pushbuttons and indicator lights

3SB30,

3SB31, 3SB33

Enclosures
3SB38

Cable-operated switches
3SE7, 3SF2

Signaling Columns
8WD42, 8WD44

3SB35, 3SB36

3SB2

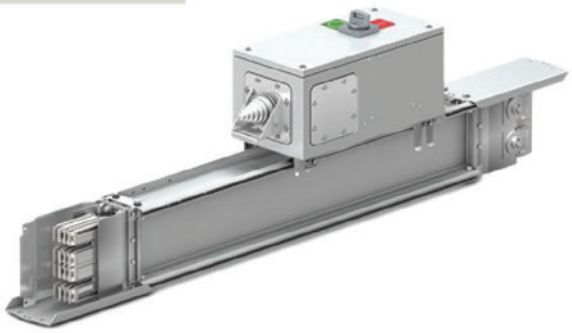
Two-hand operation consoles
3SB386

Foot switches
3SE29, 3SB39

Integrated
8WD53

SIVACON 8PS busbar trunking systems

SIEMENS

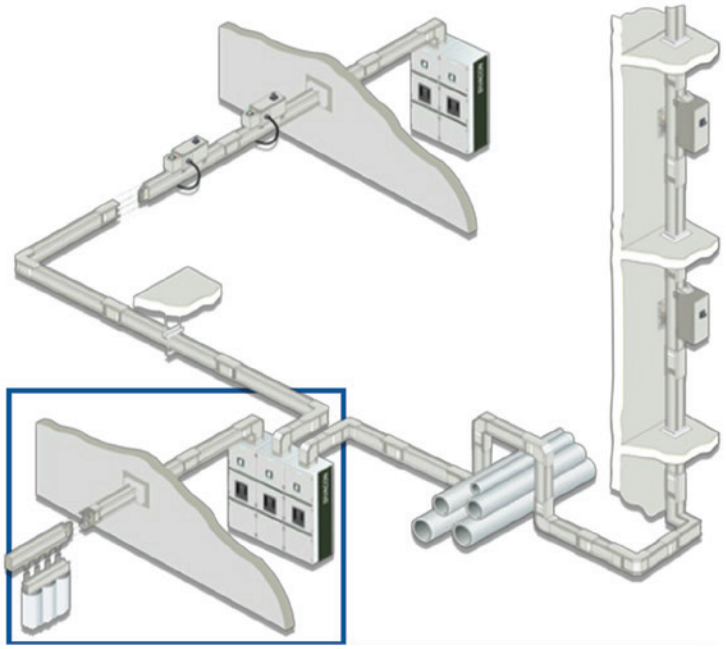


Power distribution

with flexible tap-off units for loads from 50A to 1250A

Power transmission

from transformer to low voltage main and sub power distribution boards from 800 A up to 6300A

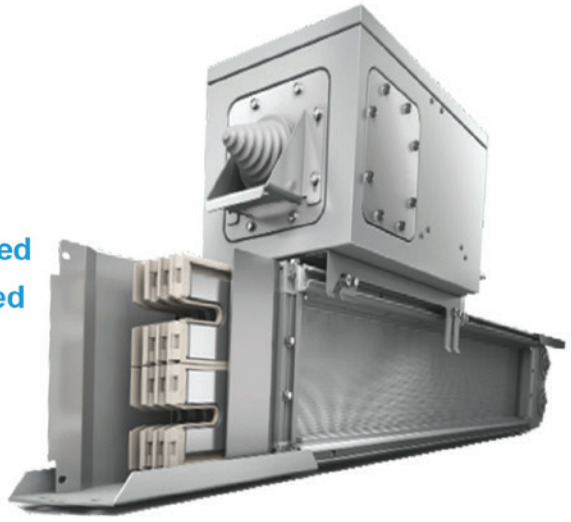


An integrated solution for safe and efficient power supply

- Integrated and future-proof at every project stage
- Safe for people and plant
- Efficient in all project phases
- Flexible in planning and operation
- Reliable in operation

Busdct LI Type Up to 6300A

- **Standards and regulations** — **IEC 61439-1/-6, EN 61439-1/-6**
- **Degree of protection** — **IP55; IP66**
- **Mounting positions** — **Horizontal edgewise, Horizontal flat, vertical**
- **Insulation** — **Mylar**
- **Class of protection against mechanical loads** — **IK08**
- **Busduct unit material** — **Aluminum, powder-coated**
- **Tap-off unit material** — **Steel sheet, power-coated**
- **Color of busduct unit, tap -off unit** — RAL 7035 (light gray)
- Rated insulation voltage in acc. with IEC 61439-1 — 1000 V AC
- Frequency — 50/60 Hz

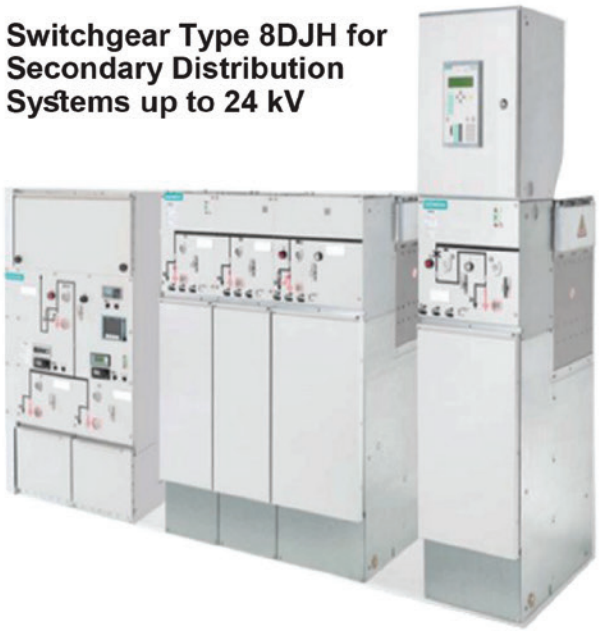


LI-A	LI-A.0800	LI-A.1000	LI-A.1250	LI-A.1600	LI-A.2000	LI-A.2500	LI-A.3200	LI-A.4000	LI-A.5000
Current Size (A)	800	1000	1250	1600	2000	2500	3200	4000	5000
Conductor material	Aluminum								
Short-circuit rating									
Rated short-time withstand current (1s) I_{cw} (kA)	35	50	60	65	80	100	120	150	150
Rated peak withstand current I_{pk} (kA)	74	105	132	143	176	220	264	330	330

LI-C	LI-C.1000	LI-C.1250	LI-C.1600	LI-C.2000	LI-C.2500	LI-C.3200	LI-C.4000	LI-C.5000	LI-C.6300
Current Size (A)	1000	1250	1600	2000	2500	3200	4000	5000	6300
Conductor material	Copper								
Short-circuit rating									
Rated short-time withstand current (1s) I_{cw} (kA)	43	60	65	80	100	100	150	150	150
Rated peak withstand current I_{pk} (kA)	90	132	143	176	220	220	330	330	330

MEDIUM VOLTAGE Products

Switchgear Type 8DJH for Secondary Distribution Systems up to 24 kV



Application

- 8DJH switchgear is a factory-assembled, type-tested, 3-pole metal-enclosed single-busbar switchgear for indoor installation.
- Used in public and industrial energy systems of the secondary distribution level such as:
  - local ring-main units,
  - customer transfer substations and switching substations of power supply and public utilities
  - Wind power and solar plant
  - hydroelectric power plants
  - Water and sewage treatment plants
  - Airports, railway stations, underground railway stations
  - Open-cast mining facilities and High-rise buildings.

Application

Safe technology

- GEAFOL cast-resin, the limitations of liquid -filled transformers are avoided, but the proven characteristics such as operational reliability and service life are retained.
- GEAFOL cast-resin is found in high-rise buildings, hospitals, road and underground railway shafts, in offshore installations and mines and many other locations.

GEAFOL Cast-Resin Transformers

100kVA to 1600 kVA

GEAFOL technology is produced under license by many transformer manufacturers all over the world. Over 85,000 GEAFOL cast-resin transformers have proved their worth in power distribution all round the globe. Nowadays, GEAFOL cast-resin transformers up to a power rating of approximately 40 MVA are being manufactured.

MEDIUM VOLTAGE Products

Fixed-Mounted Circuit-Breaker Switchgear

Type NXPLUS C up to 24 kV, Gas-Insulated

Application

It is used in transformer and switching substations, e.g., in:

- Power supply companies
- Power stations
- Cement industry
- Automobile industry
- Iron and steel works
- Rolling mills
- Mining industry
- Textile, paper and food industries
- Chemical industry
- Petroleum industry
- Pipeline installations
- Offshore installations
- Electrochemical plants
- Petrochemical plants
- Shipbuilding industry
- Diesel power plants
- Emergency power supply installation
- Lignite open-cast mines
- Traction power supply systems.

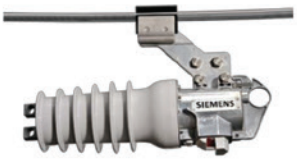
MV Outdoor Components

Recloser
Vacuum Recloser for network automation

3AF01/3AF03/3AG01
"Live-tank" circuit-breaker for distribution

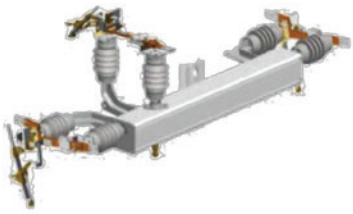
3AF04/05 "Live-tank" circuit-breaker for railway applications

SDV6/7
"Dead-tank" circuit-breaker for distribution



Fusesaver
1-phase CB for fuse saving during transient faults

Series SE/SER/EF/EH
Manual 1-phase switches



Topper series
Manual 3-phase switches

Vector series
Motorized 3-phase switches

Our Project Refernces

Cambodia is one of the developing countries in ASEAN and the economic, itself, has been rapidly increased in the past 20 years. The construction industries in our region have been developed tremendously. We, KSR, are with Cambodia for more than 10 years and we, of course, a part of this country's development. Therefore, our company products has successfully supply to the various industries in Cambodia.

We've brought Cambodia the most efficient and reliable energy and we will continuously offer Cambodian people the highly standardized power distribution products which they have ever been offered before.

Our Partners

"Mutual support" is one of the main core value of our company and this becomes our practical business flow among all stakeholders. Our suppliers are capable to manufacture high quality of produts recognized by by International Electrotechnical Commission (IEC) Together with our global suppliers, your needs are satisfactorily fulfilled by us.

SIEMENS

Mikro

LEIPOLE

Reliability&Innoration

socomec

Innovative Power Solutions

We supply these products to fulfil your needs.

Main Switchboard Up to 6300A

Motor Control Center

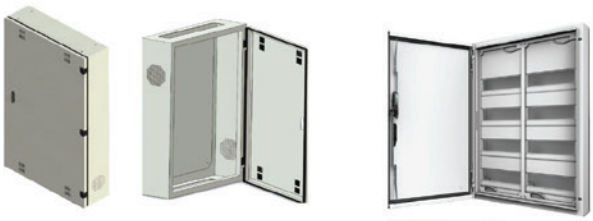
KSR DISTRIBUTION BOARD Up to 6300A

KSR SWITCHBOARD

KSR DISTRIBUTION BOARD Up to 160A

Consumer Units Surface or Concealed

Type 12, 26, & 36 Way



Switchgear Type 8DJH

GEAFOL Cast-Resin

Air Circuit Breaker

VSD

G120P G120

Contactor

MCB MCCB

MV Outdoor Components

Commanding and Signaling Device

ATS

CT

Timer Relay

Capacitor Bank

Surge Arrester

Our Commitments for you

We at KSR strive to deliver nothing less than perfection, which is why we consider ourselves the trusted electrical switchboard manufacturer for all industry solutions. Our switchboards are recognized for their attention to detail, quality and delivery, and our team is highly regarded as some of the most helpful switchboard engineers today.

Don't just take our word for it though, get in touch with us today and find out for yourself. At KSR, we bring the power to you.

អាស័យដ្ឋាន៖ អាគារ លេខ789 ; ផ្លូវ 60ម ភូមិអន្លង់គងចាស់ សង្កាត់ព្រៃស ខណ្ឌដង្កោ រាជធានីភ្នំពេញ

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