



PRODUCT CATALOGUE

Your Specialist in low-voltage switchgear and engineering solutions





YOUR TRUSTED PARTNER IN **LOW VOLTAGE SWITCHGEARS**

KIK Engineering offer solutions to suit ever-changing, Low Voltage Electrical engineering requirements. We offer Quality switchgear products from world-renowned manufacturers who are our business partners, under one roof. ABB, EPCOS, DELAB, LOVATO, J.PROPSTER, UNITRONICS, ACCUAENERGY and FRECON are the leading organizations worldwide who have joined hands with us in this venture.

This provides an opportunity for customers to obtain all their high quality switchgear needs from a single reliable source. We offer our products and services along with a “Wealth of Knowledge” and “Technical Expertise”, “Close Consultation With the Client” making us the trusted choice at all times giving the best possible solution to the clients. This makes us significantly unique from the competition keeping in line with the Vision of KIK Engineering “To be the Specialist in Engineering Solutions”.



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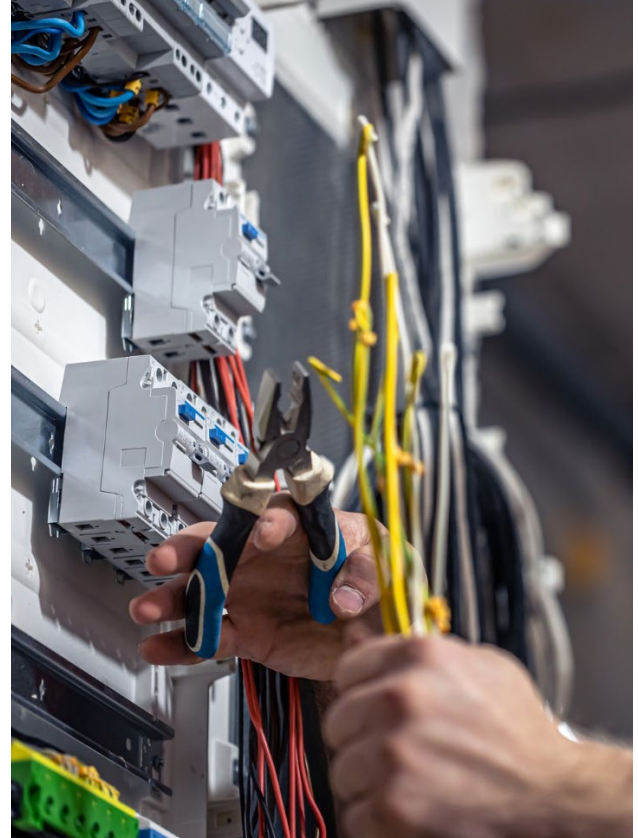
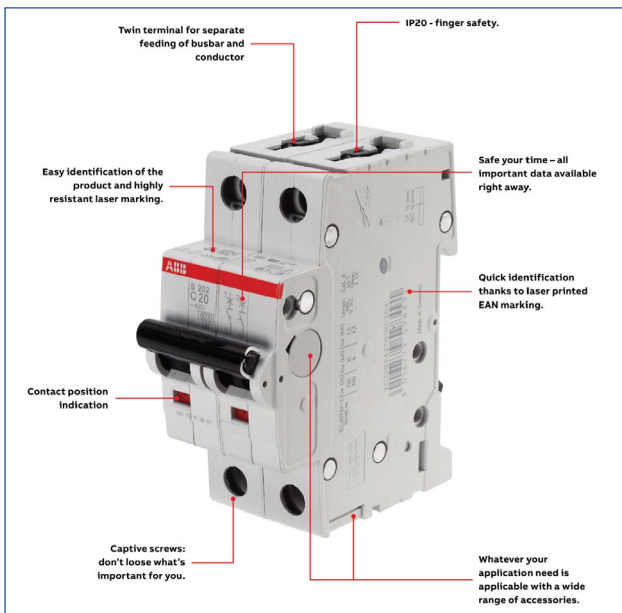
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OUR PARTNERS



MINIATURE CIRCUIT BREAKERS - (MCB)

Miniature circuit breakers (MCBs) ensure electrical safety in homes, offices and other buildings as well as for industrial applications by protecting electrical installations against overloads and short circuits.



Standards: IEC 60898-1

Rated current I_n (A): 6 ~ 63

Number of poles (P): 1,2,3,4

Curve B, C, D

Breaking Capacity: 10kA



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Rated current I_n (A): 6 ~ 63

Number of poles (P): 1,2,3,4

Characteristic Curve C (I_n): 5-10

Breaking Capacity: 6kA

RESIDUAL CURRENT DEVICES - (RCD)

The Residual Current Circuit breaker RCCBs are the safest device to detect and trip against electrical leakage currents.

ABB

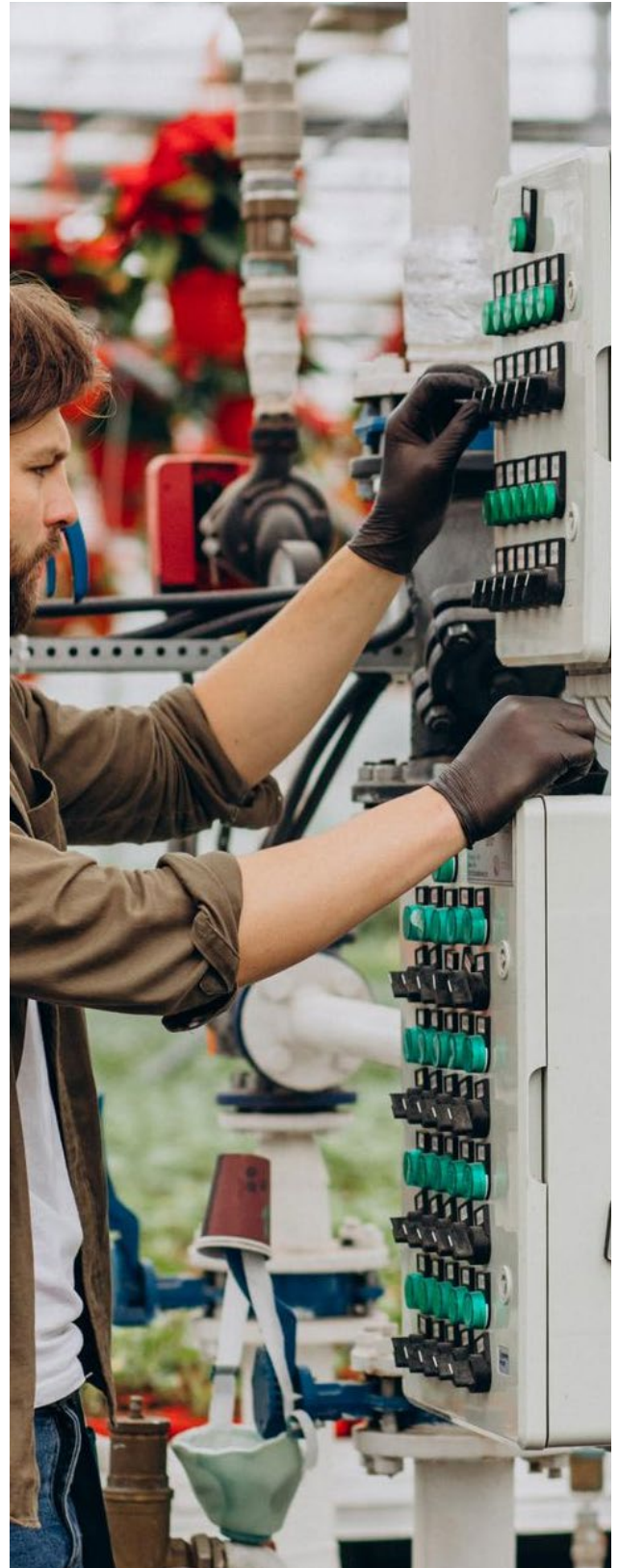


Number of poles: 1P+N, 3P+N
Rated current I_n (A): 16, 25, 40, 63, 100
Sensitivity ($I_{\Delta n}$): 30, 100, 300, 500
Type: AC, A, AP-R
Mechanical Life(times): 20,000
Electrical Life(times): 10,000

SASSIN



Number of poles: 1P+N, 3P+N
Rated current I_n (A): 16, 25, 40, 63, 100
Sensitivity ($I_{\Delta n}$): 30, 100, 300, 500
Type: AC, A
Mechanical Life(times): 20,000
Electrical Life(times): 10,000



CIRCUIT BREAKERS (MCCB / ACB)

The MCCB provides protection against overload, short circuit faults and is also used for switching the circuits. It can be used for higher current rating.



Moulded Case Circuit Breakers (MCCB's)

- SACE Tmax XT up to 1600A (Adjustable Type)
- SACE Formula up to 400A (Fixed Type) SACE Formula up to 400A (Fixed Type)

Moulded Case Circuit Breakers (MCCB's)

- Series 3SM8L up to 630A (fixed Type)

Air Circuit Breakers (ACB's)

- Emax 2 Emax 2 Up to 6300A
- Fixed type
- Withdrawable type

Air Circuit Breakers (ACB's)

- 3SW68 Up to 6300A
- Fixed type
- Withdrawable type



CHANGE OVER SWITCHES

The changeover switches connect the critical loads/ circuits, the main power grid, the generator or an alternate source.



Manually operated change-over switches, 16-2500 A

Motorized change-over switches, 63-2500 A

Automatic Transfer Switches, 160-1600 A

Easy installation

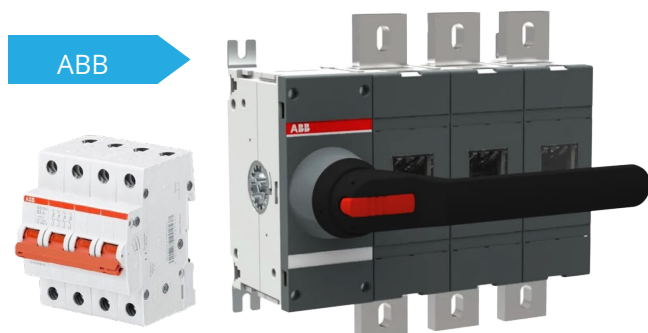
Safety and protection Safety and protection

Reliable in extreme conditions

Space saving Space saving



SWITCH DISCONNECTORS



MCB type up to 63A

Rotary type up to 4000A rotary type up to 4000A

Number of poles: 1P, 2p, 3P, 4p (MCB type)

Number of poles: 3P, 4p (Rotary type)

CONTACTORS & ACCESSORIES



LOVATO

- Three-pole versions up to 630A in IEC AC3 duty
- Four-pole versions up to 1600A in IEC AC1 duty
- Versions for power factor correction up to 100kvar at 400VAC
- Four-pole versions with 2NO+2NC or 4NC main poles
- Versions for photovoltaic application
- Versions with AC, AC/DC or DC control



SASSIN

- 3 pole up to 95A in IEC AC3 duty
- 4 pole up to 125A in IEC AC3 duty
- Standards: IEC 60947-4-1
- Screw and type connections



ABB

- Three-pole versions up to 1060A in IEC AC3 duty
- Four-pole versions up to 525A in IEC AC1 duty
- AC / DC wide operational voltage range coils
- UA...UA..RA for capacitor switching up to 80kvar
- Screw and spring type connections



VARIABLE FREQUENCY DRIVERS VFD

FRECON



Power Range 0.75kw - 710kw

Built-in 485 communication interface (Modbus)

Independent heat dissipation system.

Support long distance control

Support single phase/three phase motor

AUTOMATIC TRANSFER SWITCHING CONTROLLERS



EMKO

Log last 50 events & alarm informations

Mains and Generator phase sequence control

Power factor measurement for 3 phases

Active, Reactive, Apparent power measurement

Remort start output

Mains voltage failure detection

PROTECTION RELAYS



Earth leakage relays (Door mounted) - (3ph)

Zero phase current transformers (30mm to 200mm)

Earth fault relays (3ph)

Over current relays (3ph)

Voltage monitoring relay (3ph)



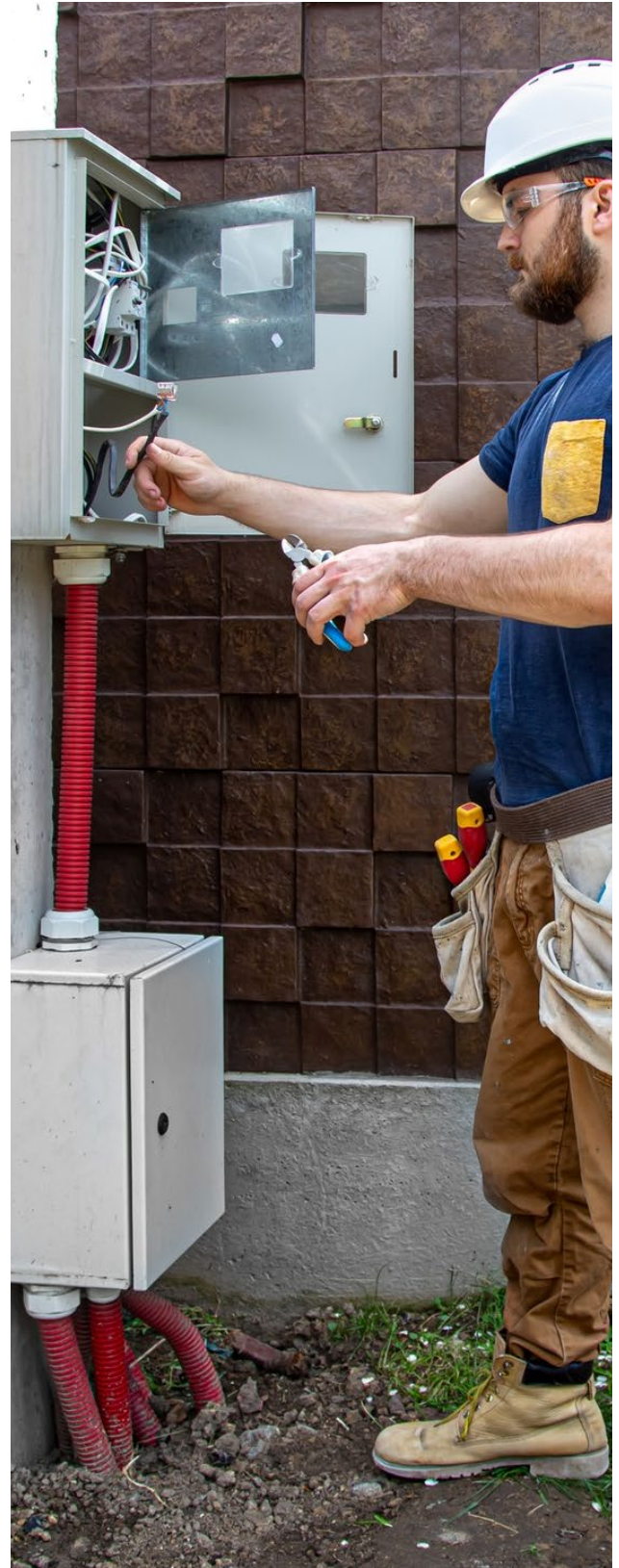
Voltage Monitoring Relays (1ph, 3ph)

Current Monitoring Relays (1ph)

Frequency Monitoring Relays (1Ph)

Level Controller Relay

Thermistor Protection Relays



SURGE PROTECTION DEVICES

J.PROPSTER



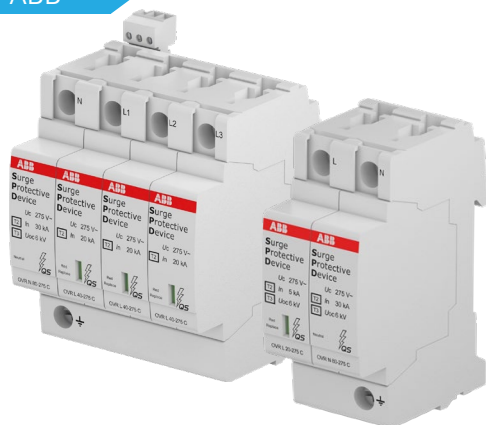
Type I SPD Type I SPD (up to 125kA - 1p/3ph)

Type II SPD Type II SPD (up to 60kA - 1p/3ph)

Type I+II SPD (up to 125kA 1p/3ph)

SPDs for Measurement and Control Systems

ABB



Type I SPD (up to 100kA - 3ph)

Type II SPD (up to 80kA - 1p/3ph)

Type I+II SPD (up to 80kA 1p/3ph)

SPD for PHOTOVOLTAIC 1000vdc



POWER METERS (DIGITAL)



ACCUENERGY

Power meters (Digital)

Energy meters (DIN mounted)

Built-in modbus RTU via RS485 port



LOVATO

Power meters (Digital)

Energy meters (DIN mounted)

Graphic or icon LCD



POWER FACTOR CORRECTION CAPACITORS

EPCOS



Three-phase, delta connected

Self-healing technology

Naturally air cooled (or forced air cooling)

Provided with ceramic discharge module

1.5Kvar to 50 Kvar

WIFI ROUTERS

TELTONIKA



4G/LTE (Cat 4), 3G, 2G

Wireless Access Point with Hotspot functionality

Automatic switching to available Backup connection

For remote management, access & VPN services

POWER FACT CONTROLLERS



DELAB

Step 5, 6, 7, 8, 14

LED indication for individual step

Auto C/K detection

Alarm or fan output

Programmable software lock



LOVATO

Step 3, 5, 8 (expandable with EXP module)

Ethernet communication interface (only for DCRL8)

Front optical USB and Wi-fi communication port

Capacitor overload protection

Backlit icon LCD



TIME RELAYS

LOVATO



On delay / Off delay / Star delta / Recycle / Multi functional

Models with multi scale 0.1 seconds..100days

Wide supply voltage range 12..440V

Din mounted

DELAB



Weekly / Daily

LCD display

40-100 programs

5-10 years power reserve

Din mounted

ABB



On delay / Off delay / Star delta

Electro Mechanical (15min minimum)

Just 17.5 mm wide

Din mounted

CONTROL ACCESSORIES

Analog ammeter's / Volt meters / Power factor meters / Frequency meter

HRC fuses & bases

Narrow palm lugs

Selector switches

LED indicator lamps

Current transformers

Relay and bases



Double restricted slot

Narrow slot design

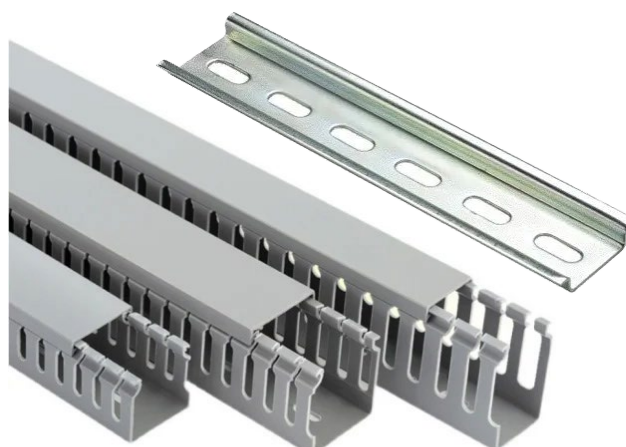
Flash cover design

V-shaped slot lead-in

Grey color

2m length

Zinc plated





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