

Taking advantage of the reference

Medium Voltage Distribution

RM6 range

The hi-reliable Gas Insulated ring main unit for underground secondary distribution applications



Energy availability



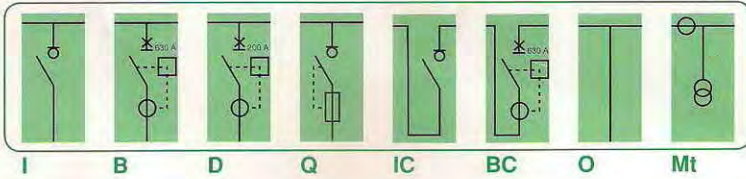
Monitoring and protection of your network



Compactness

Schneider
Electric

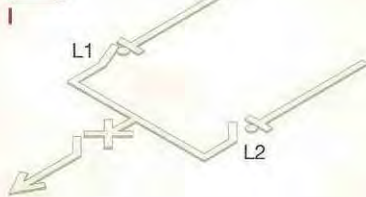
A choice of functional units to meet all network management needs



12kV 25kA 630A
24kV 20kA 630A

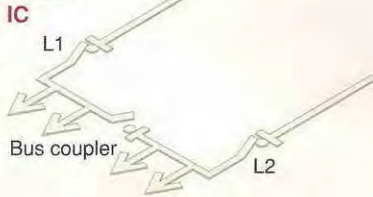
- Bus sectionalizer– IC/ Switch-disconnector– I 400 or 630 A
- Bus sectionalizer– BC / Line feeder – B 630 A circuit breaker
- Transformer feeder – D 200 A circuit breaker
- Transformer feeder – Q 200 A fuse-switch combination
- MV metering – Mt 630 A
- Cable connection – O 630 A

A choice of Automatic Transfer System to increase Power Availability



ATS 1/2

On loss of voltage on L1, the Automatic Transfer System automatically switches to L2.



ATS 2/3

On loss of voltage on one line, the ATS opens this line and closes the bus coupler.

Rojman Company Ltd.

Arbil, Iraq

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{... For us, RM6 is the most reliable of its category. We use it since 1983...}

Ho Anh Dung, CEO of Viet Phap, Vietnam

«I do believe Schneider Electric's effective solutions would be very essential to a majority of local corporation as well as multinational businesses at the moment.»

Didier Verhulst, Verhulst Managing Director, Belgium

«RM6 is a highly reliable product that can operate under extremely severe environment.»

Pierre le Bussy, Technical Manager of SORETI (Eiffage Group), Belgium

«We sleep better the night before we energise a Schneider Electric installation.»

Daniel Gil, Energy Operating Manager of TEL3 SA, Argentina

«We see several advantages of working with Schneider Electric. One of them is that Schneider Electric is an integral supplier of low and medium voltage equipment.»

1983

Launching of the 1st ring main unit with integrated insulation.

1'

If your loop is equipped with RM6 feeder automation system, you can be warned of the outage and its location in less than 30 seconds. The system can then implement your reconfiguration order in less than 30 seconds. Therefore, between the outage occurrence and the moment you re-energise the loop, less than 1 minute might pass.

What can RM6 do for you?



It is a hi-reliable ring main unit combining all medium voltage functional units to enable connection, supply and protection of medium voltage transformers and lines. It is convenient to open ring or radial networks and to medium voltage switching stations.

RM6 is a complete range that meets the needs of the energy, industry, and building applications.

Evolving with your needs

Compact or extendible, RM6 range covers all your needs.

All functional units are available as single module extendible on both sides. Most compact units are also extendible on both sides. Therefore you have full flexibility to combine compact and modular units to create the medium voltage Switchboard you need:

- switching MV/MV substation
- radial (double radial with automatic transfer) substation
- private metering
- open ring, sub-ring...

Helping people operate safely

Safety of people is a major commitment of ours. Therefore, RM6 guarantees total safety by providing internal arc withstand, visible earthing contact, hi-reliable mimic diagram and natural interlocking by three-position switchgear.



Ensuring service continuity

Its design provides the RM6 with genuine total insulation, which makes the switchgear completely resistant to harsh environment. Whether it is dust, extreme humidity or temporary soaking, RM6 ensures continuity of service to make your energy always available.

Making installation simple

Thanks to optimised dimensions, RM6 enables a fast installation, floor-mounted by four bolts and fast cable connections on the front. Your organisation is evolving, you're putting up a new building: RM6 adapts to your requirements. RM6's extensibility on site with no handling of gas or particular floor preparations enables you to upgrade your installation simply and safely.

An answer for all types of distribution networks:

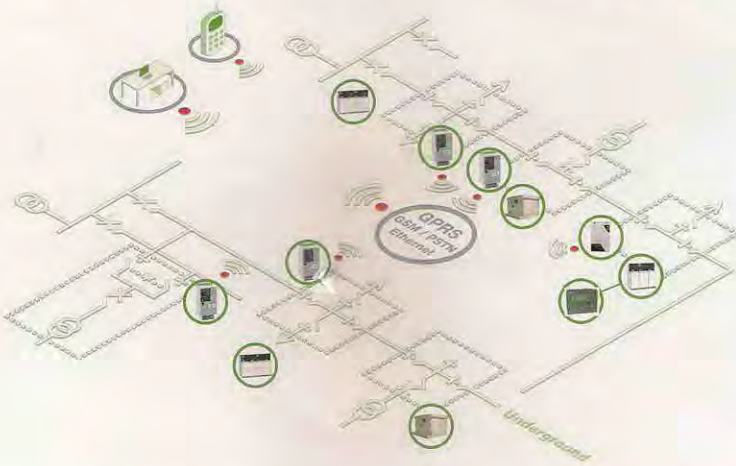


Secondary Utility &
Private networks



Airports

Monitoring and protecting your network



Ensuring power availability at any time

Because a MV Power Supply interruption is unacceptable especially in critical applications, an automatic system is required for MV source transfer.

For your peace of mind, RM6 enables automatic control and management of power sources in your medium voltage secondary distribution network with a short transfer time (less than 10 seconds), guaranteeing the hi-reliability of your installation.

Improving your quality of service with our feeder automation solution

The RM6 offer, combined with the Easergy monitoring and

control range, will help you reduce outage times. Between the outage occurrence and the moment you re-energise the loop, less than 1 minute might pass.

Take advantage of a step by step and easy implementation of an affordable and global solution for your MV network management, within the frame of your operational budget.

Enhancing your network protection

By choosing Sepam 10, you add communication to protection and you benefit from the hi-reliability of a device that provides:

- very sensitive earth faults indication,
- specific protection (thermal overload: 49RMS),
- load monitoring.



Flair Din

To help you reduce downtimes and improve your productivity, RM6 switchboards integrate self powered fault passage indicators that provide earth fault indication, phase fault indication and load current display.



Easergy L500

Manage your network within a few clicks. Focus investment on network instrumentation: Preconfigured SCADA, for Easergy devices, basic SCADA with just enough functions to manage Easergy devices data, not more.



Industry



Marine



Building,
Shopping centres



Hotels



Helping you access hi-reliability all over the world

RM6 benefits from Schneider Electric's hi-level know-how in factory-built cubicles and in SF6 breaking technology.

More than 4,000,000 medium voltage functions using SF6 breaking technology were installed throughout the world over the last forty years.

Whatever you do, wherever you are, you can benefit from hi-reliability.

1,000,000 RM6 functional units are protecting people and goods all over the world.



"Every product has been thought by Schneider Electric to avoid any risk for safety."
Pierre le Bussy,
Technical Manager of
SORETI (Eiffage Group),
Belgium

They already benefit from RM6's hi-reliability:

Nordex, France
Peugeot Poissy, France
City of Le Puy en Velay, France
EDF, France
Cultural & Business Centre of Smichov, Czech Republic
Sunrise Data Centre, Czech Republic
Terna Energy, Greece
Energeiako Diktyo EPE, Greece
Agora Business Center, Poland
Leclerc Commercial Center, Wroclaw, Poland
Endesa, Spain
Perrier-Vittel, Poland
Castorama Commercial Center, Wroclaw, Poland
Carrefour Commercial Center, Wroclaw, Poland
Canadian Embassy, Warszawa, Poland
Plastic Omnium Plant, Slovakia
Montenegro public utility, Serbia and Montenegro
Sweden Railways, Sweden
Drujba pipeline renovation & extension, Belarus
Transmanche Link, United Kingdom
Philip Morris, Poland
ENI, Belgium
RePower Systems AG, Germany
Electrical Utility of Budapest, Hungary
Statkraft / Bonus, Norway
Meyer Werft, Germany
Harju Elekter, Estonia
Bewag, Austria
Vestas, Greece
...

River City Offices, Cambodia
Airbus Service Center, China
Steel Oxygen Plant, China
Citroen Wuhan Car Factory, China
Shanghai Pudong Industrial Park, China
Bombay City, India
New Delhi City, India
Japan Electricity Authority, Japan
Tenaga Nasional Berhad, Malaysia
Kaohsiung Metropolitan network, Taiwan
Maha Sawat Drinking Water Treatment Plant, Thailand
Bircak Hydro Power Plant, Turkey
Uzbek Paper Mill, Uzbekistan
LNG Company, Yemen
PT. PLN (Persero) Distriputi Jakarta-Tangerang, Indonesia
...

Mexico City Mayor tower, Mexico
Mexico Subway
Tuttilian Ice Cream Factory, Mexico
Nessus Hotels, Peru
Havana City Distribution Network, Cuba
Cuba general electrical distribution network renovation
Mexico World trade center
Venezuela EDC
Brazil Rio Light
Colombia ELECTROCOSTA-ELECTRICARIBE
Colombia CHEC
...

Saudi Electric Company, Saudi Arabia
Ministry of Defence & Aviation, Saudi Arabia
Va Tech Wabag, Saudi Arabia
SCECO WEST, Saudi Arabia
Bahrain Power Network, Bahrain
...

Ourhoud oilfield, Algeria
Perenco Gabon (on-shore site), Gabon
Escom, South Africa
Sadiola Hill mine, Mali
Electricité de Mayotte
EDF Reunion
Total, Libya
SONEL, Cameroon
...

1,000,000

RM6 is protecting people and goods all over the world with 1,000,000 installed functions in MV secondary underground distribution applications.