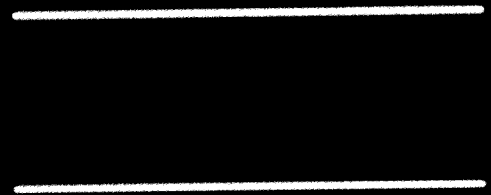


**multi 9**  
**the modular system**  
**from 1 to 100A**



*mastering electrical power*



## multi 9, systematically

Terminal distribution applications are large: housing, service sector and industry, and the needs are constantly changing.

Reconciling security and service continuity, associating comfort and energy savings are an everyday reality. An efficient, competitive system is required to meet quickly the need to adapt installations.

With more than 2000 references and nearly 20,000 combinations, the multi 9 system systematically provides the ideal response. This is the reason for the multi 9 system's success, success that encourages Merlin Gerin to push ahead with its development of the widest range on the market.

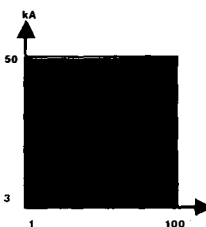
The multi 9 modular system complies with the main international standards and allows full sets of equipment to be built, including its various functions:

- ☐ protection, monitoring and control switchgear,
- ☐ electrical auxiliaries,
- ☐ connection and installation accessories,
- ☐ metal or insulating material enclosures.

## protect installations by using multi 9 mcb's

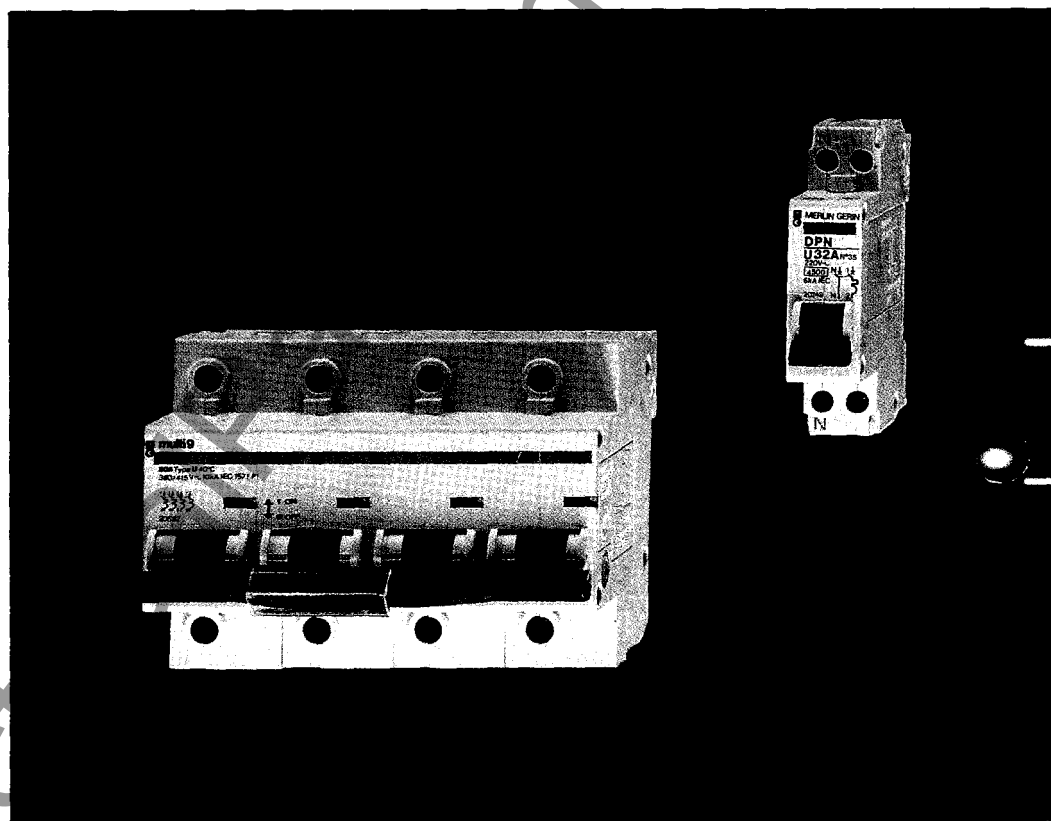
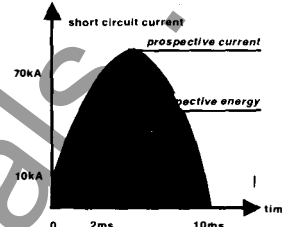
### multi 9, a wide range

With ratings from 1 to 100 amperes and breaking capacities from 3 to 50 kA, the multi 9 circuit breaker range covers every need.



### multi 9, savings

Multi 9 circuit breakers are based on the limitation technology allowing substantial savings in cable sections.



### NC 100, high performance

The NC 100 is the world's only 100A rated modular mcb.

This is a major advantage for high power ratings, when mixed with the other multi 9 switchgear.

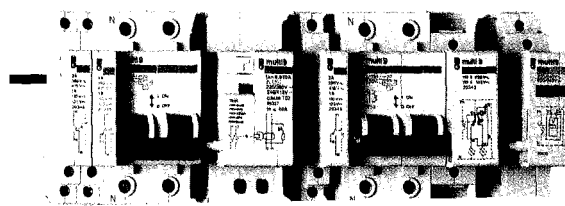
### DPN, compactness

DPN: phase and neutral breaking in 18 mm.

### multi 9, optimization

A set of adaptable devices can be used to improve the installation's intelligence.

On-Off and alarm contacts, add on Vigit blocks about tripping




# protect people and installations by using the multi 9 residual current devices

## multi 9, security

With instantaneous or selective earth leakage devices:

- ☐ RCBO'S (mcb with add-on Vigi block or combined rcd/mcb),
- ☐ RCCB'S (residual current circuit breakers).

An answer to every need, combining security and service continuity.

All these devices are protected against nuisance tripping .

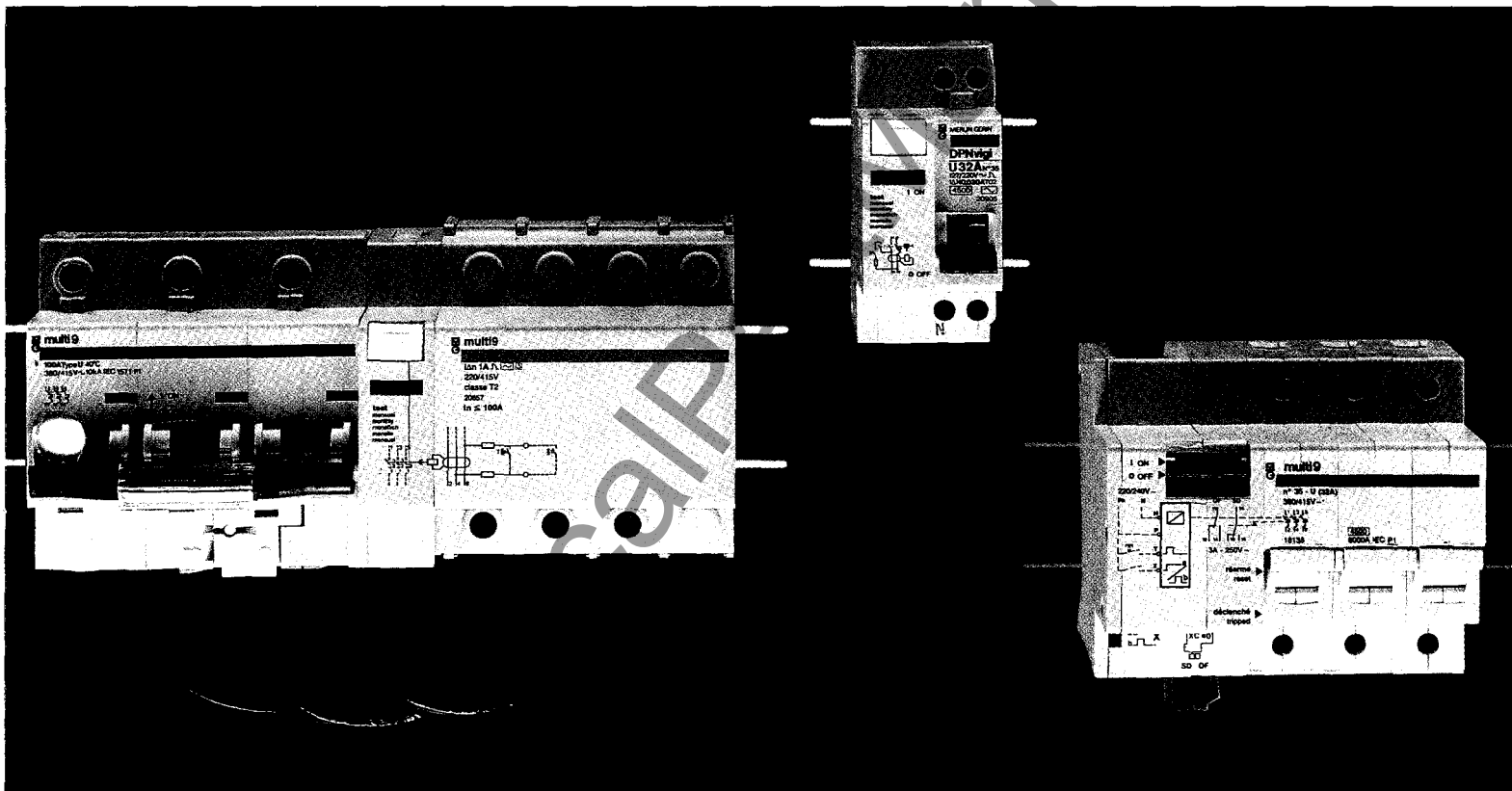


# energy management by monitoring - control devices

## multi 9, compatible intelligence

The multi 9 system monitoring and control devices respond to a need for:

- ☐ optimizing operating costs,
- ☐ controlling the system as a whole (supervision and remote control of all or a part of the installation).



## add-on Vigi blocks, flexibility

Wherever breaking capacity is high. Adaptable on multi 9 mcb's for various sensitivities:  $I\Delta n$  10, 30, 100, 300, 500 mA, 1A, 3A

- ☐ instantaneous or selective versions,
- ☐ remote tripping possibility.

## DPN Vigi, synthesis

Full circuit protection in a single device

- ☐ sensitivity:  $I\Delta n$  30, 300 mA,
- ☐ breaking capacity: 6 kA.

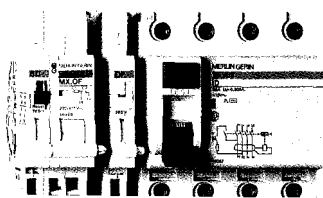
## reflex, the remote control made simple

REFLEX XC 40 and XI 40 remote control circuit breakers and switches. Up to 40 A.

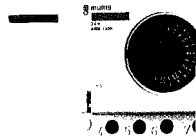
## residual current circuit breaker: simplicity

For applications only requiring protection against direct and indirect contacts.

- ☐ sensitivity:  $I\Delta n$  10 to 500 mA.



The IH time switch associated with TL impulse relays fitted with their ETL, ATL, ATLP auxiliaries or CT contactors allows simple applications for monitoring control.

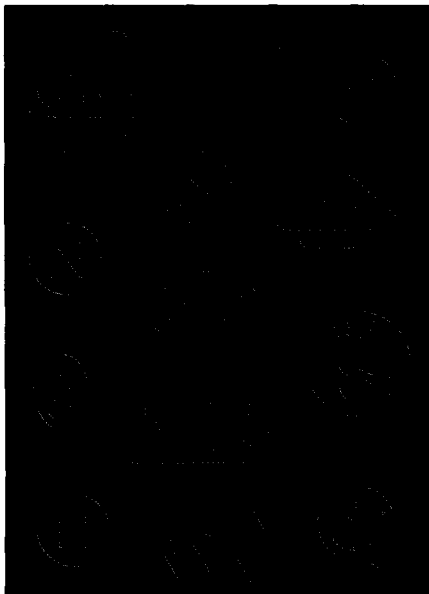


## Merlin Gerin's quality

Products and services provided by men and women devoting all their energy to achieving their goal of zero defect.



International quality seals of approval.



Marine classification authorities: BV, LRS, RINA, G.L., USSR.RS, DNV, ABS.



## Merlin Gerin's presence

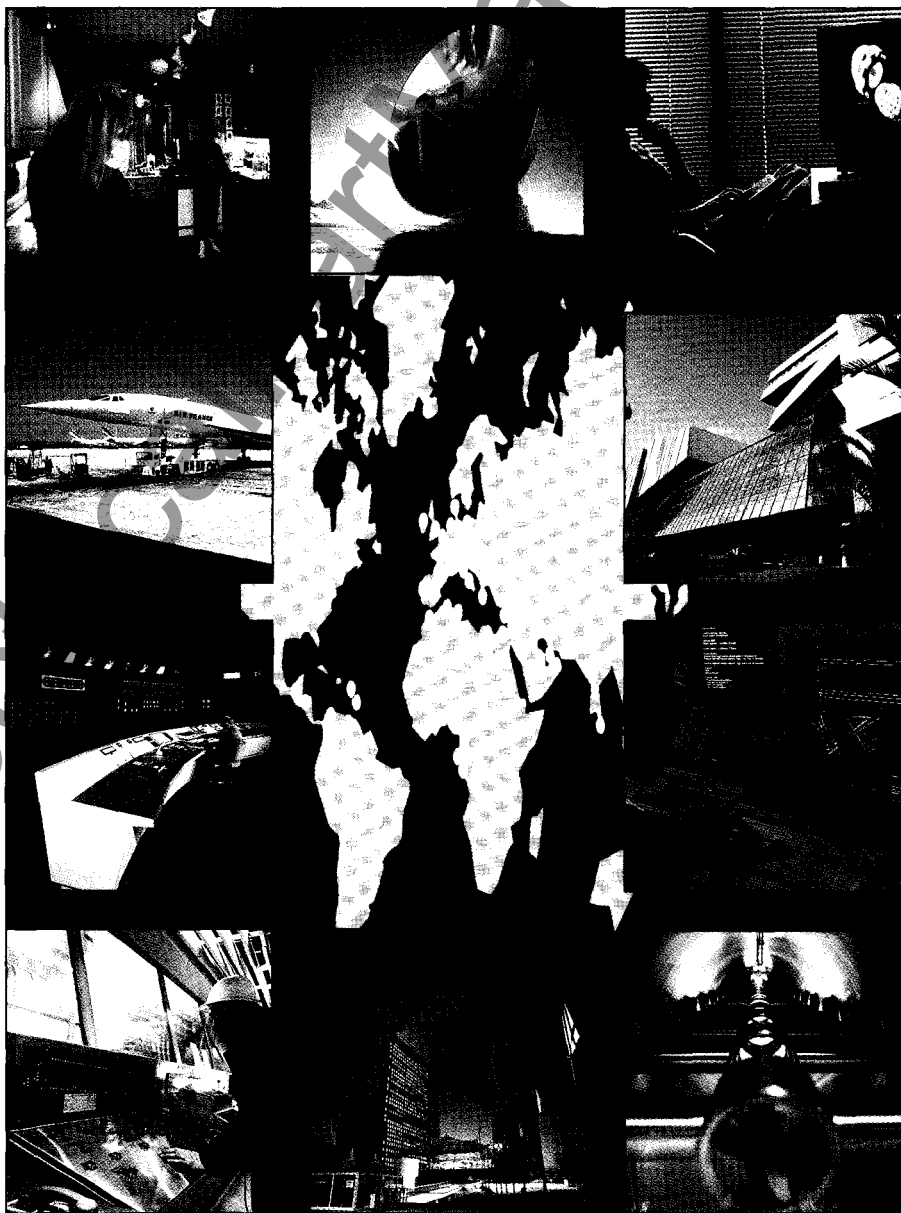
The Merlin Gerin group is among the world's top manufacturers in the firm's main fields of activity:

- ☐ high voltage power generation and transmission,
- ☐ medium voltage distribution,
- ☐ MV/LV transformation,
- ☐ main, secondary, and terminal low voltage distribution.

Merlin Gerin is developing its activities around two specific axes in regards to electricity:

- ☐ electricity, **power** vector,
  - ☐ electricity, **information** vector.
- Within these fields, Merlin Gerin is all of the following at once: switchgear manufacturer, switchboards manufacturer, plus "turnkey" projects.

## more than 1500 sales outlets around the world



As from time to time both standards and equipment can be changed, please ask for confirmation of the above details.

**MERLIN GERIN**  
38050 Grenoble cedex  
France  
tél. 76.57.60.60  
télex : merge 320 842 F

## using multi 9

The multi 9 system includes:

□ **control - remote control:** switches, push-buttons, selector switches, remote control breakers and switches, contactors, regulators, impulse relays, change over relays, self-protected solid state relays,

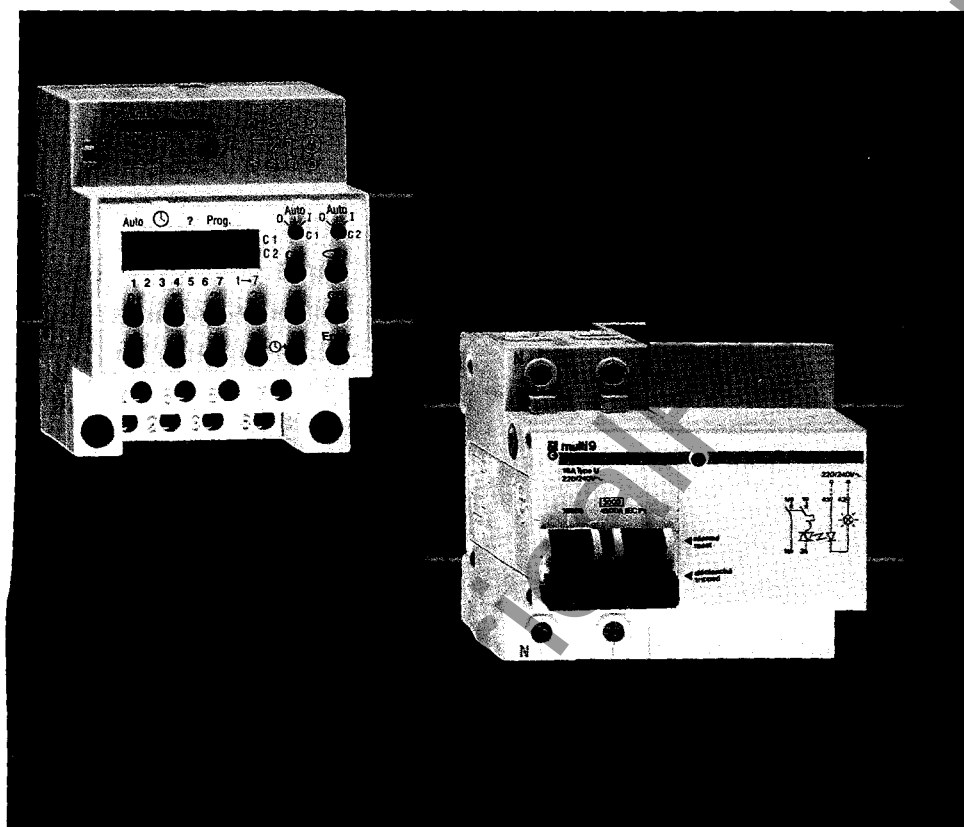
□ **programming/regulation:** Time switches, programmable time switches, light sensitive switches, timers, load-shedding relays,

programmable thermostats, regulators and time delayed relays,

□ **metering/signalling:** hour counters, power meters, voltmeters, ammeters, buzzers, indicating lights. Transformers, voltage or current meter relays.

## isis, a comprehensive solution, which simplifies everything

With isis, a full range of products to meet new building supervision needs. Substantial cable savings thanks to the batibus bus.

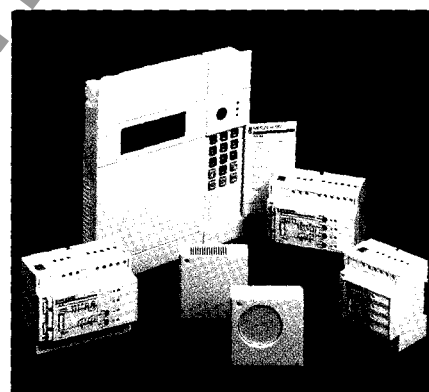


### IHP, intelligence within reach

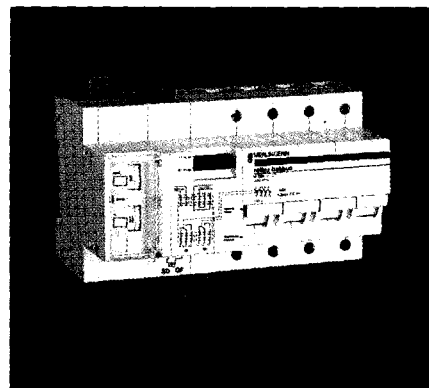
Programmable time switch to combine comfort and savings.

### TC 16, quiet endurance

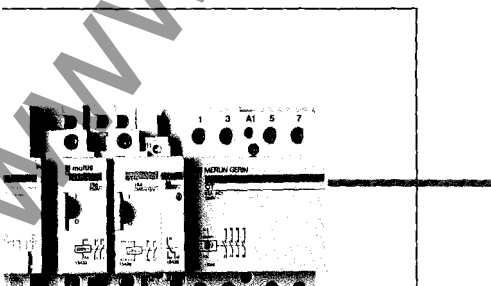
Self-protected solid state relay for very frequent switching operations.



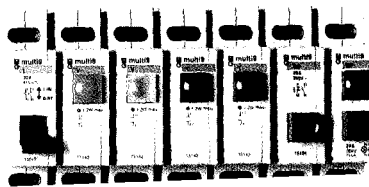
Isis products.



batibus REFLEX



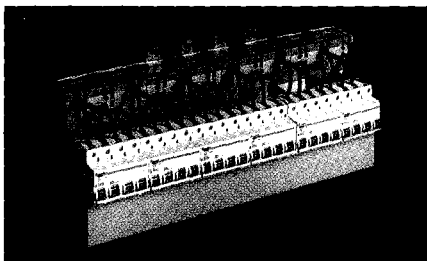
Push-buttons, indicating lights, switches, selector switches: essential additions to remote control.



## installation using multi 9 accessories and enclosures

### multi 9, saving time

During assembly thanks to connection accessories to match the circuit breakers and their auxiliaries.



Multiclip distribution block

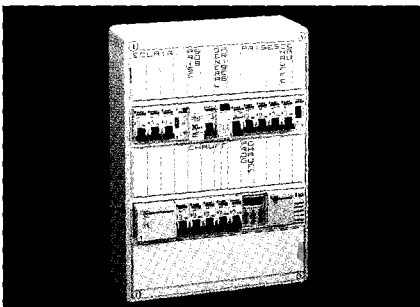


### multi 9 functional enclosures

Specially designed to accommodate modular devices.

Moulded material or sheet metal enclosure:

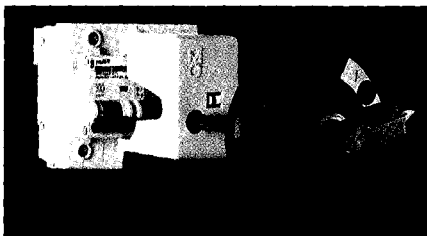
□ IP 205 to IP 657.



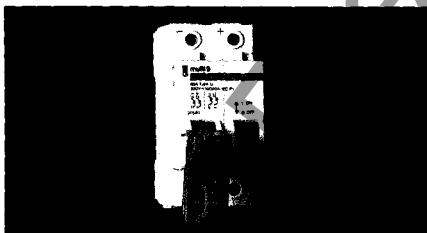
Alliance

### multi 9 security

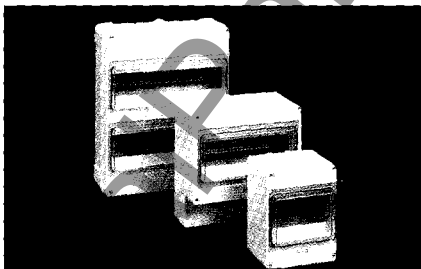
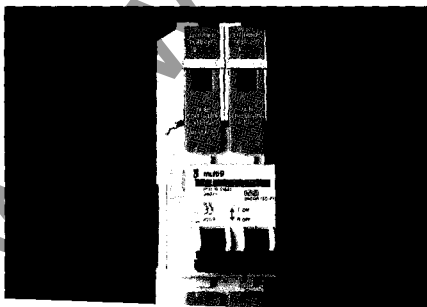
During operation with outdoor rotary handle, padlocking devices and isolatable back plates.



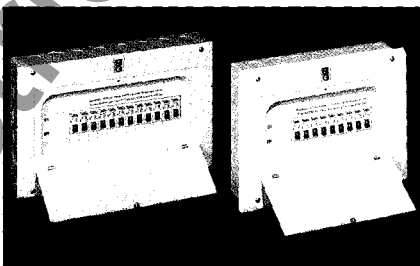
rotary handle



padlocking device



F9



consumer units

### Prisma zinc plated sheet steel enclosures and cubicles

For large capacities

□ IP 205 to IP 559.

