



- Original Manufacturer IEC 61439
- High Performance
- Reliability

 **HAZEMEYER**  
Liberty 333

# About HAZEMEYER

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## ● A Manufacturing Expertise

Specialist in Low Voltage Equipment for over 80 years, Hazemeyer is a manufacturer of energy distribution and energy management solutions.

## ● The Flexibility of a medium-sized company

A design center and specialized technical teams design and create your projects in a 7000 m<sup>2</sup> production unit based in Gauchy - France.

## ● A National and International presence

Sales offices worldwide.

Recognized partner of the majors in multiple industries, HAZEMEYER brings you the expertise of a well-known manufacturer and the flexibility of a medium-sized company.



## Our service offers

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Thanks to its high level of expertise, HAZEMEYER guarantees all customers a fast, efficient and responsive support to their needs :

- Additional services
  - start-up
  - training
- Additional equipment
  - spare parts
  - additional cubicles
  - additional columns
  - MCC Protection Relay CIT
- Revamping
- Retrofit
- Audit/Expertise
- Long Term Service Agreement
- After sales services



# HAZEMEYER Liberty 333

- Withdrawable switchboard multi-use, HAZEMEYER Liberty 333 is ideally adapted to the MCC motor control applications and/or to the PCC power distribution.
- With the HAZEMEYER Liberty 333, HAZEMEYER meets all its customer and market requirements : safety, reliability, adaptability, energy and environmental management.
- Due to its High Power capability, HAZEMEYER Liberty 333 becomes a key component in your process for energy management and distribution.
- HAZEMEYER also offers its customers the freedom to integrate any type and brand of equipment meeting IEC standards.
- With the LIBERTY 333 design, HAZEMEYER guarantees as a manufacturer the continuity and the compatibility with the installed range of switchboards.
- Fully type tested under IEC 61439, HAZEMEYER Liberty 333 meets the quality requirements in accordance with all IEC standards.

## Bus bar

Vertical main bus bar, partitioned between phases and providing  $I_{pcc}B$  protection.



## Contact cassette

This device fits between the functional unit and the vertical distribution bus bar. Its specific design prevents the bus bars from mechanical wear and provides an excellent contact quality, particularly in case of short-circuit. Devices are interchangeable online.



## Front opening drawers (optional)

This feature allows the maintenance operators to perform infrared thermographic checks while the functional unit is in service.






## Communication packs – supervision – energy management – motor control and protection

Hazemeyer Liberty is easily integrated in a wide range of network supervision.



# Main features

Rated insulation voltage	1000V	PEN (if TNC)	Cross section equal to phases
Maximum rated voltage	690V AC/DC	Main Bus bar IN Min-Max	1000 to 6000A - 12000A per distribution
Rated frequency	50Hz/60Hz/DC	Max short-circuit current	120kA
Network	2P/3P/4P	Isolated compartment per phase for the vertical bus bar	Serial
Neutral point	TT/TN/IT	Functional unit FU	Drawer
Room temperature	-5°C to 35°C average in 24h 	FU front face	Opening or plain
Service index	IS 333	Structure	Alu-zinc
Separation form	3 and 4	Doors and panels	RAL 7035 
Connection type	WWW	Possible extension	By the Left/Right
Ingress degree	IP 31/42/54 	Infrared opening	On request
Connection access incoming cables	Front or Rear	High security anti-arc protection	On request
connection access outgoing Cables	Front or Rear	Seismic resistant	On request
Incoming cables penetration	From Up or Down		
Outgoing cables penetration	From Up or Down		
Bus bar	Cu copper		
Neutral cross section	Equal to the phase		

 Other values on request



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