


Statement of Compliance

Bachmann electronic GmbH
Kreuzäckerweg 33
6800 Feldkirch
Austria

Type of component	Protection Relay	
Description of component	GMP232/1, GMP232/2, GMP232/3, GMP232/4, GMP232/1 cc, GMP232/2 cc, GMP232/3 cc, GMP232/4 cc	
Technical data	Nominal Measuring Voltage: $U_{AC} = 120 / 690 V_{AC}$ Measuring current: $I_{AC} = 1 / 5 A_{AC}$ Measuring frequency: $f = 10 - 65 Hz$ Nominal Voltage: $U = 18 - 34 V_{DC} \text{ typ. } 24 V_{DC}$	
Certification scheme	P30VA01, Rev. 06/08.21	TÜV NORD Zertifizierungsverfahren zur Netzanschlusszertifizierung (Certification Procedure for Grid Code Compliance Certification)
Standard	IEEE Std C37.90-2005	IEEE Standard for Relays and Relay Systems Associated with Electric Power Apparatus

The protection Relay complies with the requirements of the above mentioned standards. Further technical data and notes are placed in annex 1 (2 Pages).

Registered No. 44 799 13137971
Evaluation Report 3530 9174


Dipl.-Ing. Maite Berghaus
Certification body of
TÜV NORD CERT GmbH

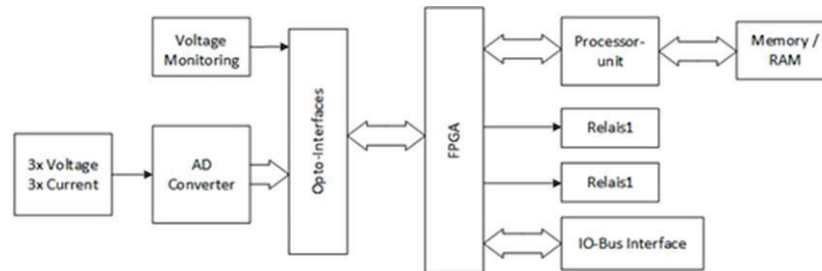
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Rev. 1.0

ANNEX

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Schematic structure



Technical data

General				
Type	GMP232/1 GMP232/1cc	GMP232/2 GMP232/2 cc	GMP232/3 GMP232/3cc	GMP232/4 GMP232/4cc
Construction Revision	103.000, 106.000			
Software version	1.02 R, 1.03R, 1.04R			
Nominal Voltage	18 - 34 V _{DC} typ. 24 V _{DC}			
Measuring channels				
Measuring Voltage	120 V _{AC}	690 V _{AC}	120 V _{AC}	690 V _{AC}
Measuring Current	1 A _{AC}		5 A _{AC}	
Measuring Frequency	10 - 65 Hz for 50 Hz			
Adjustment range of protection parameters				
Voltage	Value	0 - 400 % U _n		
	Time	0 - 600000 ms		
Frequency	Value	10 - 65 Hz		
	Time	0 - 600000 ms		

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ANNEX

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Notes

The following tests were a part of the conformity assessment:

- Operational and non-operational temperature ranges
- Relative humidity withstand capability
- Allowable variations from the stated electrical ratings
- Heating limits of temperature rise for coils
- Insulation tests

Additional technical data and details, according to IEEE Std C37.90, are given in the technical report number 35309174 (version 1.0 or higher).

The use of other firmware and software versions are allowed if the differences are proved and confirmed by TÜV NORD CERT GmbH beforehand. Validity of a new software version is attested by written confirmation and becomes part of the certificate.

Obligations to fulfill the requirements

none

Restrictions

none

Appendix

A1 Technical report no. 35309174 Version 1.0



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