


Statement of Compliance

Bachmann electronic GmbH
Kreuzäckerweg 33
6800 Feldkirch
Austria

Type of unit	Protection Relay	
Description of component	GSP274 / GSP274cc	
Technical data	Nominal Measuring Voltage:	$U_{AC} = 480 V_{AC}$
	Nominal Measuring Current:	$I_{AC} = 5 A_{AC}$
	Nominal Measuring Frequency: f	= 35 - 65 Hz at 50 Hz
		45 - 75 Hz at 60 Hz
Nominal Auxiliary Supply:	$U = 18 - 34 V_{DC}$ (typ. 24 V _{DC})	
Certification scheme	P30VA01	TÜV NORD-Zertifizierungsverfahren zur Netzanschlusszertifizierung (Rev. 08/10.22)(TÜV NORD Certification Procedure for Grid Code Compliance Certification)
	Rev. 08/10.22	
Standard	IEEE Std C37.90-2005	IEEE Standard for Relays and Relay Systems Associated with Electric Power Apparatus
Applicable guidelines	IEEE Std C37.90.1-2012	IEEE Standard for Surge Withstand Capability (SWC) Tests for Relays and Relay Systems Associated with Electric Power Apparatus
	IEEE Std C37.90.2-2004	IEEE Standard for Withstand Capability of Relay Systems to Radiated Electromagnetic Interference from Transceivers
	IEEE Std C37.90.3-2001	IEEE Standard Electrostatic Discharge Tests for Protective Relays

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 13137975
 Evaluation Report 3534 6260



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 Certification body of
 TÜV NORD CERT GmbH

Essen, 2023-04-21
 Rev. 1.0


ANNEX

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Technical data

General	
Device type	GSP274 / GSP274cc
Auxiliary supply voltage	18 - 34 V _{DC} (typ. 24 V _{DC})
Nominal measuring voltage	480 V _{RMS}
Nominal measuring current	5 A _{RMS}
Nominal measuring frequency	35 – 65 Hz at 50 Hz 45 – 75 Hz at 60 Hz
Load (current measurement)	250mVA
Load (voltage measurement)	MAINS >2MΩ GEN, BUS >5MΩ
Relay outputs	2
Nominal voltage relay outputs	24V _{DC} , 48V _{DC} , 250V _{AC}
Nominal current relay outputs	2 A
Relay inputs	0
Construction revision	112.000
Relay	
Manufacturer	Xiamen Hongfa Electroacoustic LTD or FUJITSU Mikroelektronik GmbH
Type	HF41F or FTR-LYCA024V
Nominal voltage	24V _{DC} , 48V _{DC} , 250V _{AC}
Nominal current	6 A


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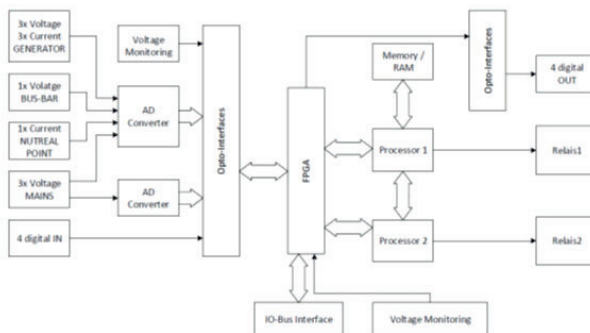
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ANNEX

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Schematic structure:



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
- Mechanical requirements
- Insulation tests
- Electromagnetic compatibility test

Additional technical data and details, according to IEEE Std C37.90, are given in the Technical Report number 35346260 (version 1.0 or higher).

Obligations to fulfill the requirements


none

Restrictions

none

Appendix

A1 Technical Report no. 35346260 Version 1.0


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