


Component Certificate

Certificate holder	Bachmann electronic GmbH Kreuzäckerweg 33 6800 Feldkirch Austria	
Type of component	Protection device	
Description of component	GSP274 GSP274 cc	
Technical data	Nominal measuring voltage	$U_N = U_{L-L} 480 V_{AC} U_{L-N} 277 V_{AC}$
	Nominal measuring current	$I_N = 5 A_{AC}$
	Nominal measuring frequency	$f = 35 - 65 \text{ Hz for } 50 \text{ Hz}$ $f = 45 - 75 \text{ Hz for } 60 \text{ Hz}$
	Nominal supply voltage	$U = 18 - 34 V_{DC} \text{ typ. } 24 V_{DC}$
Certification scheme	P30VA01 Rev 08/10.22	Verfahrensanweisung zur Netzanschlusszertifizierung (Certification procedure for grid code compliance)
Standard	Engineering Recommendation G99 Issue 1, Amendment 9, 03 October 2022; Chapter 10	Requirements for the connection of generation equipment in parallel with public distribution networks on or after 27 April 2019

The component complies with the requirements of the above listed certification scheme and standard with obligations. The obligations to fulfill the requirements and further technical data are placed in annex 1 (3 Pages).

Registered-No. 44 799 13137969
Evaluation report no. 35258522
File reference: 35355060

Validity
from 2023-09-22
until 2024-12-16


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

Essen, 2023-09-22
Rev. 3.0

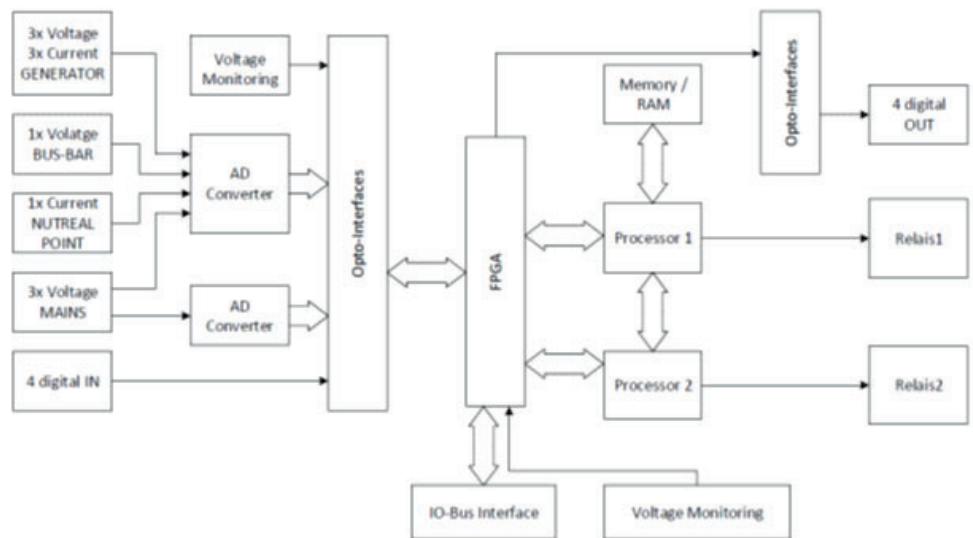
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Schematic structure



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General description

Refer Component Certificate

Technical data

General		
Type	GSP274 GSP274 cc	
Construction Revision	112.000	
Software version	2.02R, 2.03R, 2.04R, 2.05R, 2.06R	
Nominal supply voltage	18 - 34 V _{DC} typ. 24 V _{DC}	
Measuring channels		
Measuring voltage	480 V _{AC}	
Measuring current	5 A _{AC}	
Measuring frequency	35 – 65 Hz for 50 Hz 45 – 75 Hz for 60 Hz	
Adjustment range of protection parameters		
Voltage	Value	0 - 500 % U _n
	Time	0 - 600000 ms
Frequency	Value	35 - 75 Hz
	Time	0 - 600000 ms


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Notes	<p>Additional technical data, according to Engineering Recommendation G99 Issue 1 in annex A, are given in the evaluation report (appendix A1).</p> <p>The use of other firmware (construction revision) and software version numbers is allowed if the differences are proved and confirmed by TÜV NORD CERT GmbH beforehand. The validity of a new software version will be attested by written confirmation and becomes part of the certificate.</p> <p>The following protection functions were part of the conformity assessment:</p> <ul style="list-style-type: none">• Over and under voltage• Over and under frequency• Loss of Mains (LoM) / Rate of Change of Frequency (RoCoF)• Automatic Reconnection
Restrictions	<p>The final parameterization of the protection setting must be carried out by the manufacturer of the generating unit or by the installer of the power generating facility. The protection settings are not pre-configured.</p> <p>A wiring functional test must be carried out during commissioning for type tested protection device.</p>
Appendix to the certificate	A1 Evaluation report no. 35258522 Version 3.0


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