



certificate
no. **MHHW 03 006**
dated **25.02.2010**

Fachausschuss Maschinenbau, Hebezeuge, Hütten-
und Walzwerksanlagen
Prüf- und Zertifizierungsstelle im BG-PRÜFZERT

Translation

BG Test Certificate

Name and address of the holder of the certificate: (customer) **NORGREN GmbH**
Stuttgarter Str. 120
70736 Fellbach

Name and address of the Manufacturer: - see above -

Product designation: **5/2-way valve, dynamically monitored, electromagnetically operated**

Type: **XSZ 8 V**

Intended purpose: Pneumatic valve combination for controlling hazardous movements on pneumatic motors (e.g. linear pneumatic motors) in electro-pneumatic control systems

Testing based on:

- Principles for the testing and certification of presses (GS-MHHW-01), version 08/2007
- DIN EN ISO 13849-1:2007 „Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design“
- DIN EN ISO 13849-2:2003 „Safety of machinery - Safety-related parts of control systems - Part 2: Validation“

Test report: No. 036/2009 dated 22.01.2010

Remarks:

- With the appropriate application, performance level "e" as specified in DIN EN ISO 13849-1 is achieved for the safety function "Pressure building up from ,1' to ,2' and pressure dropping from ,2' to ,3'".
- Installation in compliance with manufacturer's instructions and requirements of the applicable standards.
- The pneumatic connecting lines shall be designed in compliance with a risk assessment.
- Additional devices may be necessary to avoid hazards occurring in the event of energy switch-off and energy failure.
- The counter-movement shall not be hazardous.
- The test certificate covers the 5/2-way valve and the 5/2-way valve with fitted safety silencer, manufacturer: NORGREN

● Follow-up certificate of testing no. 03 006 dated 01.02.2005 ●

The type tested meets the requirements specified in article 4 para. 1 of the German Equipment and Product Safety Act. Thus, the type also complies with the provisions laid down in the directive 2006/42/EC (**Machinery**). The holder of the certificate is entitled to affix the BG-mark shown overleaf to the products complying with the type tested, including the specification given under the heading 'remarks'.

The present certificate will become invalid at the latest on: **15.09.2014**

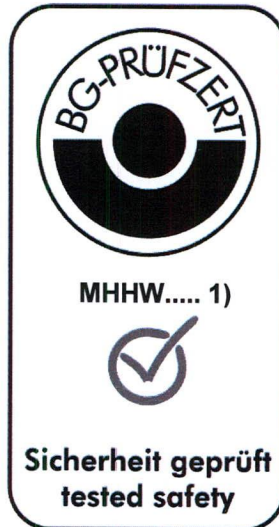
Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification of September 2008.

signed HEINKE

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(Dipl.-Ing. Heinke)

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Ref. of Testing and Certification Body

BG-mark



1) no. of certificate

Where additional details are given on the certificate, the BG-PRÜFZERT mark must be supplemented by additional wording reflecting said details. In such cases, the mark may look slightly different from the image shown here.
