



certificate
no. **MHHW 00 141**
dated **11.11.2009**

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: **Safety valve, 3/2-way and 5/2-way, pneumatically operated**

Type: **XSz 10 ■ XSz 10 V**

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

Testing based on:

- GS-MHHW-01 „Principles for the testing and certification of presses“ 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. 034/2009 dated 05.11.2009

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'".
- 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.
- Installation in compliance with manufacturer's instructions and requirements of the applicable standards.
- The test certificate covers the press safety valve and the press safety valve with fitted safety silencer, manufacturer: NORGREN

■ **Follow-up certificate of certificate no. 00 134 dated 08.04.2004** ■

■ **Follow-up certificate of certificate no. 00 135 dated 27.06.2000** ■

The type tested meets the requirements specified in article 4 para. 1 of the German Equipment and Product Safety Act. The type tested complies with the provisions laid down in the **Machinery Directive 98/37/EC** (valid to 28.12.2009) and 2006/42/EC (valid from 29.12.2009).
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**

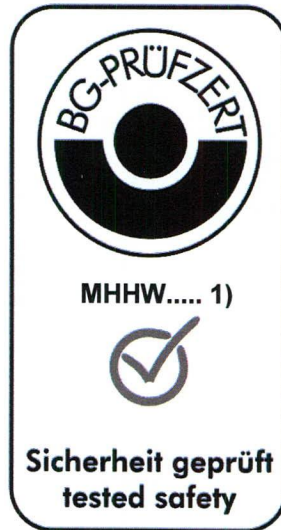
Further provisions concerning the validity, the extension of the validity and other conditions are laid down in the Rules of Procedure for Testing and Certification of September 2008.

signed KOOP

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Signature (Dipl.-Ing. Koop)

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Ref. of Testing and Certification Body MHHW 612.1:612.28-UB Schu/bt

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.
