



DGUV Test

Prüf- und Zertifizierungsstelle
Hebezeuge, Sicherheitskomponenten
und Maschinen
Fachbereich Holz und Metall

certificate
no. **HSM 13022**
dated 2019-04-26

Translation In any case, the German original shall prevail.

DGUV Test Certificate

Name and address of the
holder of the certificate:
(customer) **ROSS EUROPA GmbH**
Robert-Bosch-Straße 2
63225 Langen
GERMANY

Product designation: **5/2-way valve**

Type: **Fail-safe double valve**
(7700 series, pneumatic actuation)

Order nos.: 7786A3400, 7786A3401, 7786A4400, 7786A4401

Testing based on: **GS-HSM-01 "Presses", 04-2018**

Test report: **No. 2018-059 dated 26.04.2019**

Further details: **Intended use:**
Controlling the movements of pneumatic drives

Remarks:
See Annex.
Follow-up certificate of HSM 13022 dated 18.03.2014.

The type tested meets the requirements specified in article 3 para. 1 of the German Product Safety Act. Thus, the type tested also complies with the provisions laid down in the directive 2006/42/EC (**Machinery**). The holder of the certificate is entitled to affix the DGUV Test mark shown overleaf to the products complying with the type tested.

The present certificate including the right to affix the DGUV Test mark is valid until: **2024-04-25**

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.



Dipl.-Ing. Carsten Diekel
Head of testing and certification body

PZB09E_
MA
04.17

Deutsche Gesetzliche Unfallversicherung (DGUV) e. V.
Spitzenverband der gewerblichen Berufsgenossenschaften
und der Unfallversicherungsträger der öffentlichen Hand
Vereinsregister-Nr. VR 751 B, Amtsgericht Charlottenburg

DGUV Test Prüf- und Zertifizierungsstelle Hebezeuge, Sicherheitskomponenten
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Deutsche
Akkreditierungsstelle
D-ZE-17009-34-01

DGUV Test mark



Name and address of the certificate holder: ROSS EUROPA GmbH
Robert-Bosch-Straße 2, 63225 Langen

Product designation: **5/2-way-valve**
Fail-safe double valve
(7700 series, pneumatic actuation)
Ordering codes:
7786A3400, 7786A3401, 7786A4400, 7786A4401

Remarks:

- With the appropriate application, performance level „e“ (cat. 4) of DIN EN ISO 13849-1 is achieved for the safety function „Prevention of unexpected start-up“ (interlocking of pneumatic input signals at the pilot valves with the pressure signals at ports “2” and “4”)
- Installation in compliance with manufacturer’s specifications and requirements of the applicable standards (under the prerequisite that no special regulation prohibits the application)
- The user shall design and dimension the pneumatic connection lines in compliance with a risk assessment
- Where appropriate, the user shall provide additional devices to avoid hazards generated by energy cut-off and energy failure
- Silencers shall not impede the functioning of the 5/2-way valve
- The counter-movement shall not create hazards.

Follow-up certificate of HSM 13022 dated 18.03.2014.

Düsseldorf, 26.04.2019

signed Diekel

(Dipl.-Ing. Diekel)
Head of the Testing and Certification Body

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