

certificate  
no. **HSM 02064**  
dated 2019-04-23

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 double valve**

Type: CM CROSSMIRROR series  
Ordering nos.: 7776A3400, 7776A3401, 7776A4400, 7776A4401

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

Test report: No. 2018-060 dated 23.04.2019

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


Remarks:  
See Annex.  
Follow-up certificate of HSM 02064 dated 20.03.2014.

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: **2024-04-22**

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

## DGUV Test mark

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

Product designation: **5/2-way-double valve**  
CM CROSSMIRROR series  
Ordering codes:  
7776A3400, 7776A3401, 7776A4400, 7776A4401

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**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 electrical 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-double valve
- The counter-movement shall not create hazards.

Follow-up certificate of HSM 02064 dated 20.03.2014.

Düsseldorf, 23.04.2019

signed Diekel

(Dipl.-Ing. Diekel)

**Head of the Testing and Certification Body**

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