

certificate  
no. **HM 230035**  
dated 2023-05-11

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: CM26PxAxxxxx ("Product key identification", see Annex)

Testing based on: GS-HM-21 "Presses and forging machines" 2022-03

Test report: No. 2022-0067-01 dated 10.05.2023

Further details: Intended use:  
Operation of single-operating or double-operating cylinders  
or rotary drives

Remarks:  
see Annex.

Follow-up certificate of HSM 15026 dated 25.09.2017.

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: **2028-05-10**

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. Jan Stegmann  
Head of Certification Body



### DGUV Test mark

---



# ANNEX

to certificate no. HM 230035 dated 11.05.2023  
 Translation *In any case, the German original shall prevail.*

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

Product designation: **5/2-way double valve**  
 CM26PxAXxxxx

**PRODUCT KEY IDENTIFICATION**

**Solenoid Pilot Controlled Valves – Valve and Base Assembly**

CM 2 6 P D A 01 A 2 1

Series	CM	Revision Level	A
Monitoring	2	Valve Reset	Remote: 1, Solenoid: 2
Valve Function	6	Status Indicator	None: X, Mechanical Pressure Switch: 1
Return Override	P	Current	DC: 24 V (A), AC: 110 V, 50 Hz (B), 120 V, 50/60 Hz (C), 230 V, 50/60 Hz ** (C)
Port Thread	D	Voltage*	
NPT	N	* For other voltages consult ROSS.	
Blank	D	** 230 V AC (OSHA regulations limit press control voltage to no more than 120 V AC in the US).	
G	D		

Basic Size	Port Size		
	Inlet	Outlet	
0	1/4	1/4	00
	3/8	3/8	01
2	1/2	1/2	22

**Pressure Controlled Valves – Valve and Base Assembly**

CM 2 6 P D A 01 P 2 1

Series	CM	Revision Level	A
Monitoring	2	Valve Reset	Remote
Valve Function	6	Status Indicator	None: X, Mechanical Pressure Switch: 1
Return Override	P	Control Type	Pressure Controlled
Port Thread	D		
NPT	N		
Blank	D		
G	D		

Basic Size	Port Size		
	Inlet	Outlet	
0	1/4	1/4	00
	3/8	3/8	01
2	1/2	1/2	22

MANUFACTURING INFORMATION	Manufacturing Site	Site Abbreviation	Valve Printing (example May 2022)
Date and site of manufacture	ROSS CONTROLS USA	(L)	(S 22 L)
		(FE)	(S 22 FE)
	ROSS EUROPA	(G)	(S 22 G)
	ROSS UK	(RB)	(S 22 RB)
See back page for ROSS addresses.	ROSS ASIA	(J)	(S 22 J)
	ROSS SOUTH AMERICA	(B)	(S 22 B)
	ROSS CONTROLS CHINA	(C)	(S 22 C)
	ROSS CONTROLS INDIA	(RCI)	(S 22 RCI)

Status Indicator Switch	Port Sizes		Basic Size	C <sub>v</sub>				Weight lb (kg)	
	1	2, 4		1-2	1-4	2-3	4-5	Solenoid Pilot Controlled	Pressure Controlled
With	1/4	1/4	0	0.8	0.6	0.5	1.1	5.85 (2.7)	6.15 (2.79)
	3/8	3/8	0	0.8	0.6	0.5	1.1	5.75 (2.6)	6.05 (2.74)
	1/2	1/2	2	3	2.5	2	3.9	14.45 (6.6)	14.45 (6.56)
Without	1/4	1/4	0	0.8	0.6	0.5	1.1	5.30 (2.4)	5.60 (2.54)
	3/8	3/8	0	0.8	0.6	0.5	1.1	5.20 (2.4)	5.50 (2.49)
	1/2	1/2	2	3	2.5	2	3.9	13.80 (6.3)	13.80 (6.26)

## ANNEX

to certificate no. HM 230035 dated 11.05.2023  
Translation In any case, the German original shall prevail.

The intended use includes:

- selection and installation in compliance with manufacturer's specifications and requirements of the applicable product standard (under the prerequisite that no special regulation prohibits the application) or as a result of a risk assessment
- compliance with the operating instructions
- that the counter-movement of the drive controlled by the 5/2-way double valve is not hazardous
- that the machine manufacturer designs the consumer connection lines in compliance with the requirements of the applicable product standard or in accordance with a risk assessment
- that clogging of the silencers used by the manufacturer does not lead to a hazardous condition.

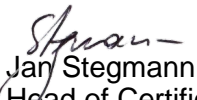
The 5/2-way double valve is not intended to control the (clutch and) brake of mechanical presses according to DIN EN ISO 16092-1/-2.

With the appropriate application, Performance Level "PL e" (category 4) according to DIN EN ISO 13849-1 is achieved for the safety function "pressure build-up from '1' to '4' and pressure reduction from '4' to '5'.

This certificate does not cover any safety aspects relating to explosion protection and any assured non-safety-relevant characteristics.

The manufacturer's risk assessment has not been examined.

Mainz, 11.05.2023

  
Jan Stegmann  
Head of Certification Body

