



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION

CERTIFICATE NO.: 2022012307505184

Valid from: Oct.24,2022

Valid until: Oct.23,2027

NAME AND REGISTERED ADDRESS OF THE APPLICANT HAFNER Pneumatika Kft.
H-9228 Halászi, Püski út 3. Hungary

NAME AND REGISTERED ADDRESS OF THE MANUFACTURER HAFNER Pneumatika Kft.
H-9228 Halászi, Püski út 3. Hungary

NAME AND LOCATION OF THE FACTORY HAFNER Pneumatika Kft.
H-9228 Halászi, Püski út 3. Hungary

PRODUCT MODEL(S) Explosion-proof Solenoid Valve
Type of Product : M□□□□□□□□ ; Marking : Ex db IIC T6 Gb ; Ex tb IIIC T80°C Db ; The model definition , electrical parameters and related document numbers can be seen in the appendix.

STANDARDS AND TECHNICAL REQUIREMENTS GB/T 3836.1-2021;GB/T 3836.2-2021;GB/T 3836.31-2021

This is to certify that the above mentioned product(s) complies with the requirements of implementation rules for compulsory certification(REFNO. CNCA-C23-01:2019)

The validity of the certificate is subject to positive result of the regular follow up inspection by issuing certification body until the expiry date.

The certificate information is available through the QR code below or CNCA's website: www.cnca.gov.cn



SIGNATURE:

谢肇煦



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paper:

This certificate and attachments shall be used at the same time, and the verification instructions can be found in the main certificate.

1.General assembly drawing :

MHC 510 701G_24DC Ex d_ ; MHC 310 701G_24DC Ex d_ ; MNHC 310 701_24VDC Ex d_ ; MNHC 510 701_24VDC Ex d ;

2. Electrical parameters : 24VDC、110VAC、230VAC ;

3. Degree of Protection : IP6X;

4. Model explanation :

M A B C D E F G H I

A The connect type of the solenoid valves, use a letter or a combination of letter:

C : In-line valves

HC : In-line valves, with manual override to turn

OC : In-line valves, with normally open

NC : Namur valves

NHC : Namur valves, with manual override to turn

NOC : Namur valves, with normally open

H : Conmo valves

B The structural type of solenoid valves, use a combination of number:

210 : 2/2-way, single solenoid system

310 : 3/2-way, single solenoid system

311 : 3/2-way, single solenoid system, mechanic spring inside

320 : 3/2-way, double solenoid systems

510 : 5/2-way, single solenoid system

511 : 5/2-way, single solenoid system, mechanic spring inside

520 : 5/2-way, double solenoid systems



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531 : 5/2-way, double solenoid systems, Centre closed

532 : 5/2-way, double solenoid systems, Centre exhausted

533 : 5/2-way, double solenoid systems, Centre pressurised

52 : CNOMO interface

C The port size of solenoid valves , use a combination of number:

501 : Ports size G1/8

504 : Ports size 5mm

701 : Ports size G1/4

711 : Ports size G1/4 , Ports 2,4 are swapped (Only Namur valves)

704 : Ports size 7mm

101 : Ports size G3/8

121 : Ports size G1/2

D Optional mounting holes use a letter:

G : Valves can be used in-line and also on manifold plates.

Blank : Valves are not for manifold plates (Include: Namur, Direct acting, Other)

E The thread type of solenoid valves, use a combination of letter:

NPT : The thread type is NPT

Blank : The thread type is G

F Optional material, use a combination of letter:

KES : Stainless steel body with PA pilot-head



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VES : Full stainless steel

VES TT : Full stainless steel, Low temperature -40°C

TT : Aluminium body, Low temperature -40°C

Blank : No special requirements , Aluminium

Note: The end model maybe use the EDS (External free copper) or BFM (free copper) if encounter special circumstance. This is the internal component material and product structure has nothing to do.

G The voltage type : 24VDC, 230VAC, 110VAC

H The Explosion proof type: Ex d

I The electrical cable entry port size , use a combination of letter:

NC : The cable entry1/2NPT

MC : The cable entryM20*1.5

5.Operating ambient temperature : $-10^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$;

6. Specific conditions of use: YES as shown below:

6.1 Only models with temperature fuse can be used in EPL Gb environment.

6.2 Only use with the same certified level entry device.

7.The product structure shall be subjected to the drawings approved by the certification body.



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1.总装配图纸号：

MHC 510 701G_24DC Ex d_; MHC 310 701G_24DC Ex d_; MNHC 310 701_24VDC Ex d_; MNHC 510 701_24VDC Ex d;

2.额定电压：24VDC、110VAC、230VAC；

3.外壳防护等级:IP6X;

4.型号解释：

M A B C D E F G H I

A 代表电磁阀安装方式，此项为字母或字母组合表示：

C：管接式；HC：管接式；带手动操作功能；

OC：管接式；常开；

NC：Namur 连接；NHC：Namur 连接；带手动操作功能

NOC：Namur 连接；常开；H：Conmo 连接

B 代表电磁阀结构形式，此项为一组数字表示：

210：二位三通；单电控；310：二位三通；单电控；

311：二位三通；单电控；机械弹簧复位；320：二位三通；双电控；

510：二位五通；单电控；511：二位五通；单电控；机械弹簧复位；

520：二位五通；双电控；531：三位五通；双电控；中封式；

532：三位五通；双电控；中泄式；533：三位五通；双电控；中压式；

52：Conmo



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C 代表电磁阀气源口尺寸, 此项为一组数字表示:

501: 气源接口 G1/8; 504: 气源接口 5mm; 701: 气源接口 G1/4;

711: 气源接口 G1/4, 气路口 2、4 位置调转 (仅限 Namur 阀);

704: 气源接口 7mm; 101: 气源接口 G3/8; 121: 气源接口 G1/2;

D 代表安装方式, 此项为字母表示: G: 代表可直接安装于汇流板; 无 (空白): 代表安装方式为非汇流板电磁阀系列 (含 Namur; 直动式或其他连接)。

E 代表气源接口可选, 此项为字母表示:

NPT: 代表气源接口为 NPT 螺纹; 无 (空白): 代表气源接口为 G 螺纹。

F 代表可选项, 此项为字母表示:

KES: 代表阀体不锈钢, 先导头材质 PA; VES: 代表阀体不锈钢, 先导头材质不锈钢;

VES TT: 代表阀体不锈钢, 先导头不锈钢; 阀体耐低温 - 40°C;

TT: 代表阀体铝合金, 阀体耐低温 - 40°C;

无 (空白): 代表无特殊要求, 常规铝合金材质。

注: 如遇特殊工况, 型号末尾有可能包含 EDS (外部免黄铜) 或 BFM (全部禁铜); 此为内部件材质与产品结构无关。

G 代表线圈的电压类型, 此项用电压表示, 分别为 24VDC; 230VAC; 110VAC。

H 代表防爆标识选项, 此项为字母表示: Ex d: 代表隔爆型。

I 代表线圈电气接口, 此为字母组合表示: NC: 代表电气接口为 1/2NPT

MC: 代表电气接口为 M20*1.5

5. 产品使用环境温度: $-10^{\circ}\text{C} \leq T_a \leq +50^{\circ}\text{C}$;

6. 特殊使用条件或特殊结构说明:

6.1 产品在 Gb 场所使用时应与温度熔断器配合使用;

6.2 产品应与已取得认证且防爆等级相适用的引入装置配合使用。

7. 产品结构以认证机构批准的图纸为准。



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