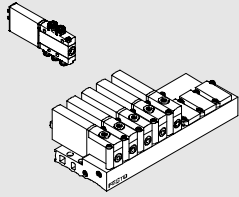


# MH...2, MH...3, MH...4

## FESTO



Spezialdokumentation UL  
Special documentation UL  
Documentación especial UL  
Documentation spéciale UL  
Documentazione speciale UL  
Särskild dokumentation UL

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**Magnetventil/Ventilinsel** ..... de  
Beachten Sie folgende Hinweise und die englischsprachigen Informationen auf der Rückseite.



**Hinweis**

Technische Daten zum Produkt können in anderen Dokumenten abweichende Werte aufweisen. Für die UL-zertifizierten Produkte gelten stets vorrangig die abweichenden Technischen Daten des vorliegenden Dokuments.

Die UL-Zertifizierung bezieht sich üblicherweise auf das Produkt als Komponente und nicht auf dessen Installation oder die Benutzung des Produktes in einer Maschine/Anlage.

- Berücksichtigen Sie bei Installation und Betrieb dieses Produktes alle dafür geltenden Sicherheitsanforderungen, Gesetze, Regelungen, Codes, Normen und Standards, beispielsweise National Electrical Code (USA), Canadian Electrical Code (Kanada), Vorschriften der US-amerikanischen Bundesbehörde OSHA.

**Electroválvula/Terminal de válvulas** ..... es  
Observe las siguientes instrucciones y la información en Inglés en la parte posterior.



**Importante**

Las especificaciones técnicas del producto pueden mostrar valores diferentes en otros documentos. Para los productos con certificación UL siempre son válidas prioritariamente las especificaciones técnicas diferentes indicadas en el presente documento.

La certificación UL se aplica usualmente al producto como componente y no a su instalación o a la utilización del producto en una máquina o sistema.

- Cuando se instala y se hace funcionar el producto, tener en cuenta los requerimientos de seguridad aplicables, legislación, normas y estándares, por ejemplo la National Electrical Code (USA), Canadian Electrical Code (Canada), las normas de la US American Federal Authority OSHA.

**Elettrovalvola/Unità di valvole** ..... it  
Osservare le note seguenti e le informazioni in inglese riportate a tergo.



**Nota**

In altri documenti, le specifiche tecniche relative al prodotto possono presentare valori diversi rispetto al presente documento. Per i prodotti certificati UL sono validi soprattutto i dati tecnici differenti riportati nel presente documento.

In genere la certificazione UL si riferisce al prodotto come componente e non all'installazione o all'impiego in una macchina/impianto.

- Per l'installazione e l'esercizio di questo prodotto tenere presente i requisiti di sicurezza, leggi, regolamenti, codici, norme e standard, ad esempio il National Electrical Code (USA), il Canadian Electrical Code (Canada), le prescrizioni dell'Autorità Federale Statunitense OSHA.



**Hinweis, Note, Importante, Nota, Information**

**de** In Verbindung mit dem UL-Kennzeichen auf dem Produkt gelten die Informationen dieses Dokuments zur Einhaltung der Zertifizierungsbedingungen von Underwriters Laboratories Inc. (UL) für USA und Kanada.

**en** In conjunction with the UL mark on the product, the information in this document applies for fulfilling the certification conditions of Underwriters Laboratories Inc. (UL) for USA and Canada.

**es** En relación con el marcado UL en el producto es válida la información de este documento respecto al cumplimiento de las condiciones de certificación de Underwriters Laboratories Inc. (UL) para Estados Unidos y Canadá.

**fr** Les informations de ce document, associées au marquage UL figurant sur le produit, s'appliquent aux Etats-Unis et au Canada en vue du respect des conditions de certification d'Underwriters Laboratories Inc. (UL).

**it** Per l'osservanza delle condizioni di certificazione dei Underwriters Laboratories Inc. (UL) per USA e Canada sono valide, unitamente all'identificazione UL sul prodotto, le informazioni riportate in questo documento.

**sv** I kombination med UL-märkningen på produkten motsvarar informationen i detta dokument certifieringskraven från Underwriters Laboratories Inc. (UL) för USA och Kanada.

**Solenoid valve/Valve terminal** ..... en  
Note the following instructions and the English information on the rear.



**Note**

Technical specifications on the product may show different values in other documents. In the case of UL-certified products, the differing technical specifications in this documentation always apply first.

The UL-certification usually refers to the product as a component and not to its installation or to the use of the product in a machine/system.

- When installing and operating this product, take into account all applicable safety requirements, legislation, regulations and standards, for example the National Electrical Code (USA), Canadian Electrical Code (Canada), the regulations of the US American Federal Authority OSHA.

**Electrodistributeur/Terminal de distributeurs** ..... fr  
Tenir compte des remarques suivantes et des informations en anglais figurant au dos.



**Nota**

Les caractéristiques du produit peuvent varier d'un document à l'autre. Les caractéristiques techniques divergentes du présent document s'appliquent toujours en priorité pour les produits certifiés UL.

La certification UL concerne habituellement le produit en tant que composant et non son installation ou l'utilisation du produit dans une machine / installation.

- Lors de l'installation et du fonctionnement de ce produit, respecter toutes les consignes de sécurité, lois, réglementations, codes, normes et références, comme par exemple National Electrical Code (USA), Canadian Electrical Code (Canada), directives de l'autorité fédérale des Etats-Unis OSHA.

**Magnetventil/Ventilterminal** ..... sv  
Följ anvisningarna nedan och informationen på engelska på baksidan.




**Information**

Den tekniska informationen om produkten kan variera i andra dokument. Vid UL-certifierade produkter gäller alltid avvikande tekniska specifikationer i detta dokument i första hand.

UL-certifieringen relaterar vanligtvis till produkten som komponent och inte till dess installation eller användning i en maskin/anläggning.

- Vid installation och drift av den här produkten, ta hänsyn till alla gällande säkerhetskrav, lagar, regler, koder, normer och standarder, exempelvis National Electrical Code (USA), Canadian Electrical Code (Kanada), den amerikanska federala myndigheten OSHA:s bestämmelser

This product is recognized by Underwriters Laboratories Inc. (UL). Representative samples of this component have been evaluated by UL and meet applicable UL requirements.

UL approval information	
Product category code	YIOZ2 (USA) or YIOZ8 (Canada)
File number	MH19482
Considered standards	UL 429, 5th Edition C22.2 No. 139 – 1982
UL mark	



#### Note

Fitting and commissioning to be carried out by qualified personnel only in accordance with the operating instructions.

Such qualified personnel must have several years of training and experience in installing and commissioning electrical and pneumatic industrial control systems.

- Please observe the applicable safety requirements and standards.

Conversion or extension of the product with modules, for which the Recognized Component Mark of UL does not apply, will lead to loss of the UL certification.

- Contact Festo if you require information on UL-certified modules.

#### Only for connection to a NEC Class 2 supply Raccorder Uniquement a un circuit de Classe 2

This device is intended to be used with a Class 2 power source or Class 2 transformer in accordance with UL1310 or UL1585.

As an alternative a LV/C (Limited Voltage/Current) power source with one of the following properties can be used:

- This device shall be used with a suitable isolating source such that the maximum open circuit voltage potential available to the product is not more than 24 V DC and the current is limited to a value not exceeding 8 amperes measured after 1 minute of operation.
- This device shall be used with a suitable isolating source in conjunction with a fuse in accordance with UL248. The fuse shall be rated max. 4 A and be installed in the 24 V DC power supply to the device in order to limit the available current.

Note that, when more than one power supply or isolating device is used, connection in parallel is not permitted.

Extracts)\* from the UL report:

#### Conditions of acceptability:

In determining the acceptability of these valves in the end-use, the following shall be determined:

- These valves are supplied from an NEC class 2 source and the need for any additional enclosure is to be determined in the end-use application. Also see the last item below.
- The valve terminals are suitable for factory-wiring only.
- The suitability of any mating electrical connector is to be determined in the end product.
- These valves have been investigated only for air, inert gas or vacuum.
- These valves are intended to be used in conjunction with air-tubes with the following outside dimensions:

Port	Air tube [mm]	Size thread	Torque [mm]
1 or 33	4	M7	2
	8		
3 or 11	4	M7	2
	6	G1/8	3
	8	M7	2
2	3	M5	0.8
	4		
	6		

- The Low Temperature Impact Test was not performed. These valves are to be mounted in a suitably guarded or protected location to avoid contact (impact) in the end-use product application.

)\* taken over essentially without important changes