

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20170714-MH19482  
**Report Reference** MH19482-20160323  
**Issue Date** 2017-JULY-14

**Issued to:** FESTO AG & CO KG  
RUITER STR 82  
73734 ESSLINGEN GERMANY


**This is to certify that representative samples of** COMPONENT - VALVES, ELECTRICALLY OPERATED  
See Addendum page

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 429 : Standard for Electrically Operated Valves  
C22.2, No. 139-13 : Standard for Electrically Operated Valves

**Additional Information:** See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog number, model number or other product designation as specified under "Marking" for the particular Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark: , may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. The final acceptance of the component is dependent upon its installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

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This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

USR, CNR – Valve Terminal series VTUS, Cat. Nos. VTUS followed by any alphanumeric suffixes.

[Using the following parts:

USR, CNR – Solenoid Valves series, Cat. Nos. VUVS or VUWS, followed by L, may be followed by K or T, may be followed by H, followed by 20, 25 or 30, followed by B52, M32C, M32U, M52, P53C, P53E, P53U, T32C, T32H or T32U, may be followed by A, E, M or R, may be followed by Z, may be followed by D, H or S, followed by M5, M7, U10, G12, G14, G18, G34, G38, N12, N14, N18, N34, N38, N11, Q4, Q6, Q8, Q10, Q12, T12, T14, T18, T38, T316, T516 or T532, may be followed by A, B, or C, may be followed by QN, U, U1, U3 or U5, may be followed by Q4, Q6, T18 or T532, may be followed by L, may be followed by F7 or F8, may be followed by 1, 1A, 5 or 5A, may be followed by A1, B2, C1, K7, K8 or K9, may be followed by S8, may be followed by LS, may be followed by EX2, may be followed by F or W, may be followed by F, may be followed by S1, S2 or S4, may be followed by C1, C2, C3, C4, C5, CL1, CL2, CL3, CL4, CL5, G, GL or GS, may be followed by CS or SA, may be followed by any alphanumeric suffixes.


USR, CNR – Solenoid Valves series, Cat. Nos. VSNC, followed by F, may be followed by K or T, may be followed by C, followed by B52, M32C, M52, P53C, P53E or P53U, may be followed by M, may be followed by D, H or S, followed by G14, N14, Q6, Q8, Q10, T14, T38 or T516, may be followed by QN, U1 or U3, followed by F8, may be followed by 1, 1A, 5 or 5A, may be followed by A1, B2, C3 or K11, may be followed by S8, may be followed by EX1, EX2, EX3 or EX4, may be followed by C1, U1 or U4, may be followed by A, M or N, may be followed by +, may be followed by G or GS, may be followed by CS or SA, may be followed by any alphanumeric suffixes.

USR, CNR – Solenoid Coil series, Cat. Nos. VACS or VACF, followed by A, B or C, followed by A1, B2 or C1, followed by 1, 1A, 5 or 5A, may be followed by EX2, EX2C or EX3, may be followed by any alphanumeric suffixes.

Manifold Series, Cat. Nos. VABM followed by any alphanumeric suffixes.

Pressure Supply Module Series, Cat. Nos. VABF followed by any alphanumeric suffixes.

Blanking Plate Series, Cat. Nos. VABB followed by any alphanumeric suffixes.]



Bruce Mahrenholz, Director North American Certification Program

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## CONDITIONS OF ACCEPTABILITY:

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

1. These valves have been evaluated for connection to an NEC Class 2 source only.
2. These valves are only intended for use in indoor-dry locations only.
3. The valve connectors are intended to be factory-wired only.
4. The suitability of the factory-wiring, including mating connectors, for secureness, and grounding of dead-metal, shall be determined in the end-product.
5. These valves are intended for use in an ultimate electrical enclosure, and the need for an electrical enclosure for the valves shall be determined in the end-product application.
6. These valves are intended for use in a suitable enclosure or mounted in a guarded and protected location where the valve body will be protected against impact.
7. The suitability of the grounding/bonding connection shall be evaluated in the end-product application.
8. The suitability of the fluid connections to these valves, with respect to securement and leakage, are to be determined in the end-product application.
9. These valves are intended to be used in conjunction with air-tubes with the following fittings designation:

Port	Air tube diameter	Size thread
1, 2, 3, 4, 5, 12, 14, 82, 84	Diameter 3 mm to 22 mm, Diameter 1/8" to 1"	M3, M5, M7, G1/8, G1/4, G3/8, G1/2, G3/4, NPT1/8, NPT1/4, NPT3/8, NPT1/2, NPT3/4, UNF5/32, UNF5/16



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10. Valve Terminal series VTUS shall be comprised of the following:

Coil Type	Coil Marking	Solenoid Valve	Solenoid Valve Marking
VACF-A	Related to MH19482 (series VUVS)	VUVS-L30	Related to MH19482 (series VACF)
VACF-B	Related to MH19482 (series VUVS or <b>VSNC</b> )	VUVS-L25 or VUVS-L30 or <b>VSNC</b>	Related to MH19482 (series VACF)
VACS-C	Related to MH19482 (series VUVS)	VUVS-L20	Related to MH19482 (series VACS)



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