



CERTIFICATE FOR CHINA COMPULSORY PRODUCT CERTIFICATION



CERTIFICATE NO: 2020322304003037

APPLICANT: United Electric Controls Company
ADDRESS: 180 Dexter Avenue, Watertown, 02472, USA
MANUFACTURER: United Electric Controls Company
ADDRESS: 180 Dexter Avenue, Watertown, 02472, USA
FACTORY: United Electric Controls Company
ADDRESS: 180 Dexter Avenue, Watertown, 02472, USA

PRODUCT: Intrinsically Safe Pressure or Temperature Switches
SERIES,SPECIFICATION,MODEL: 12 Series
STANDARDS: GB/T 3836.1-2021、GB/T 3836.2-2021、GB/T 3836.31-2021

Type of Certification: Type test + Initial inspection + Surveillance inspection

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). Refer to the attachment for detailed information.

Valid from:April 29, 2023

Valid until:October 27, 2025

Date of original certification:October 28, 2020

The validity of this certificate is subject to positive result of the periodic surveillance by issuing certification body until the expiry date.

This certificate is available through CNCA's website: www.cnca.gov.cn



APPROVAL:



 Guo AiHua



Shanghai Inspection and Testing Institute of Instruments and Automation Systems Co., Ltd.

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S 0009283



中国国家强制性产品认证证书



证书编号：2020322304003037

附件

产品名称： 压力/温度开关

型号规格：

12 **a b c d e f g**

a代表主外壳材质，可为S(不锈钢)或A(铝合金)；

b代表额定功率，可为L(125 Vac,1A 电阻性负载和 28 Vdc,0.5A 电感性负载)或H(250 Vac,5A 电阻性负载和 28 Vdc,3A 电感性负载)；

c代表开关数量，可为S(单)或D(双)；

d代表导管连接，可为N(1/2NPT)或M(M20×1.5)；

e代表传感器类型、压力连接或热组件，可为2、3、4、5、6、7、8、9、P、W、K、L或R，与防爆无关项；

f代表模式范围，可为A、B、C、D、E、F、G、H、0、1、2、3、4、5、6、7、8、9，与防爆无关项；

g代表可选项，可为M201、M277、M278、M401、M408、M20、M423、M430、M444、M446、M460、M476、M511、M513、M515、M540、M550、M924、XP112、XP113、WO28、WO46、WO50、WO76、W193、W119、W177、XD002、XD003、XR211、XR213、XR214、XR216。

M201: Factory set switch, specify increasing or decreasing pressure

M277: Range in kPa or mPa on nameplate, factory selected. NOT AVAILABLE ON TEMPERATURE VERSIONS

M278: Range in kg/cm² on nameplate. NOT AVAILABLE ON TEMPERATURE VERSIONS

M401: NACE MR0175 wetted material compliance. AVAILABLE SENSOR TYPES 2A-F, 3A-H, 4A-H, 5A-H, 6A-H, 7A-D, 8A-G, 9A-C, P0-9. Consult factory for details on repeatability, deadband, and overpressure limits

M408: Flameproof and Intrinsic Safety compliance per China CCC standards

M20: METRIC THREAD ELECTRICAL CONDUIT VERSION). THREADS TO STANDARD

批 准：



上海仪器仪表自控系统检验测试所有限公司



中国国家强制性产品认证证书



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附件

CONDUIT 1/2" NPT (M)

M423: IEC (International) flameproof compliant junction box, pre-wired (not UL approved) (NOT AVAILABLE ON M20 METRIC THREAD ELECTRICAL CONDUIT VERSION). THREADS TO STANDARD CONDUIT 1/2" NPT (M)

M430: Cover lock

M444: Paper ID tag

M446: Stainless steel ID tag and wire attachment. Text limited to 2 lines of 25 characters each, max.

M460: External ground screw; required for non-metallic conduit systems (ATEX installations only). NOT AVAILABLE WITH OPTION M515

M476: 316 Stainless steel construction, pressure connections only; Viton® sensor material. AVAILABLE SENSOR TYPEK ONLY.

M511: 1/4" NPT (male) pressure connection for sensor types 3, 4, 5, 6 and 8 only

M513: UL/CSA approved, explosion proof junction box, pre-wired (meets enclosure 4). NOT AVAILABLE ON M20 METRIC THREAD ELECTRICAL CONDUIT VERSION. NOT ATEX COMPLIANT.

M515: DIN Connector-4 terminal; conforms to DIN 43650 Form A, (not approved for Class I Div. 1 & 2 or

ATEX flameproof requirements). NOT AVAILABLE ON DPDT OR METRIC THREAD ELECTRICAL

CONDUIT VERSIONS. NOT AVAILABLE WITH OPTION M405

M540: Viton® wetted parts with standard pressure connection. Deadband and low end of range may increase. Available sensor types 8(O-ring; diaphragm changes to 316L Stainless Steel), P (O-ring), K (diaphragm, O-ring and sealing diaphragms) & w (diaphragm,O-ring) only.

M550: Oxygen service cleaned in accordance with ASTM G93, Verification type 1, tests 1 through

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附件

3. NOT AVAILABLE ON SENSOR TYPES 3 AND 4

M924: 7/16-20 SAE (female) stainless steel pressure connection. AVAILABLE SENSOR TYPE 6 ONLY

XP112: 1/2"NPT (female) 0.6 15.2 1-1/16 27.0 (Pressure switch only)

XP113: 1/2"NPT (female) 0.6 15.2 1-1/16 27.0 (Pressure switch only)

W028: SD6213-28 1/2" NPT w/ 3/4" bushing, 304 Stainless Steel (Temperture switch only)

W046: SD6213-46 3/4" NPT, 304 Stainless Steel (Temperture switch only)

W050: SD6213-50 1/2" NPT, 304 Stainless Steel (Temperture switch only)

W076: SD6225-76 3/4" NPT, 4.5" BT, 316 Stainless Steel (Temperture switch only)

W193: SD6225-193 1/2" NPT, 4.5" BT, 316 Stainless Steel (Temperture switch only)

W119: SD6225-119 3/4" NPT, 7.5" BT, 316 Stainless Steel (Temperture switch only)

W177: SD6225-177 1/2" NPT, 7.5" BT, 316 Stainless Steel (Temperture switch only)

XD002: Hastelloy® C276 diaphragm NACE MR0175 compliant with M401 option

XD003: Monel® 400 diaphragm NACE MR0175 compliant with M401 option

XR211: Kalrez® O-ring

XR213: Ethylene propylene O-ring

XR214: Aflas® O-ring

XR216: Viton O-ring

防爆标志:

Ex db IIC T5/T6 Gb; Ex tb IIIC T85°C/T100°C Db

当选项代码为M423时, 防爆标志为Ex db IIC T5 Gb; Ex tb IIIC T100°C Db

当选项代码不为M423时, 防爆标志为Ex db IIC T6 Gb; Ex tb IIIC T85°C Db

电气参数:

当额定功率代码为L: 125 Vac,1A电阻性负载和28 Vdc,0.5A电感性负载;

当额定功率代码为H: 250 Vac,5A电阻性负载和28 Vdc,3A电感性负载。

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中国国家强制性产品认证证书



SITIAs
Worldwide Access

证书编号：2020322304003037

附 件

相关报告编号： 2022S17402-008727

使用条件：

1. 产品最大使用环境温度为-50°C~+80°C，当选项代码为 M423 时，为-40°C~+65°C。
2. 特殊（限制）使用条件：
 - 1) 产品最大使用环境温度-50°C~+80°C。
 - 2) 涉及隔爆接合面的维修须联络产品制造商。
 - 3) 开关接线必须连接到安全区或连接到符合国家标准 GB/T 3836.1-2021、GB/T 3836.2-2021、GB/T 3836.31-2021 规定的接线盒内。
 - 4) 当电气导管连接口螺纹为 M20×1.5 时，安装后必须满足最少啮合 7 扣。
 - 5) 如果不使用金属管道，则使用外部接地螺钉(M460 选项)。
3. 其他相关信息：产品外壳防护等级为 IP66。

批 准：



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