



国家防爆

防爆合格证

Electrical Apparatus for Explosive Atmospheres CERTIFICATE OF CONFORMITY

Manufacturer HB Products A/S
Bøgekildevej 21, 8361 Hasselager, Denmark

Product Stroke transmitter

Type SA96DX-I/Ex, SLCD-M1/25/Ex

Marking Ex ib IIC T5/T6 Gb

Standard(s) -

Drawing No. SA96DXEX

The drawings, technical documents and the samples are verified and certified according to standard(s) for safety as below:

GB/T 3836.1-2021 Explosive atmospheres - Part 1: Equipment - General requirements
 GB/T 3836.4-2021 Explosive atmospheres - Part 4: Equipment protection by intrinsic safety "i"

Note: See Annex

Director

Date: 2022-11-20

Valid until: 2027-11-19



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Note: This certificate is only valid for products which are identical with the sample(s) tested and verified. Holder of this certificate has the responsibility to ensure the products comply with relevant standards.

防爆合格证 (附页)**Electrical Apparatus for Explosive Atmospheres
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This product is IECEx certified, certificate no.: IECEx TUN 16.0001X issue 1, dated on 2017-01-26.

Product description:

The long stroke transmitter SA96DX-I/Ex and the short stroke transmitter SLCD-M1/25/Ex are designed for analogue linear measurement on industrial refrigeration compressors in connection with capacity control.

The sensor is available in respectively a Long (LS) and Short Stroke (SS):

Long Stroke version has a measuring stroke of max 50-2000 mm, and can be calibrated to measure the minimum stroke of 50-80 mm.

Short Stroke version has a measuring stroke of max 0-25 mm, and can be calibrated to measure the minimum stroke of 0-5 mm.

The sensor delivers an analogue 4-20 mA signal corresponding to the maximum movement. The sensor is designed for the harsh conditions of a refrigeration system and can deal with vibrations and high pressures up to 100 bar.

Technical data:**Supply and Signal circuit:**

in type of protection Ex ib IIC only for connection to a certified intrinsic safe circuit with the following maximum values:

$U_i < 28 \text{ V}$ $I_i < 116 \text{ mA}$ $P_i < 585 \text{ mW}$ $C_i = 22 \text{ nF}$ $L_i = 1 \text{ mH}$

Permissible range of ambient temperature:

T5: -20 °C to +80 °C

T6: -20 °C to +70 °C

Special conditions of use:

The device is not marked with the temperature range on the type label, hence a specific condition for safe use has to be stated.

The device has to be used with a standardized solenoid valve connector

Director

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制造单位 HB Products A/S
Bøgekildevej 21, 8361 Hasselager, Denmark

产品名称 行程位置变送器

型号规格 SA96DX-I/Ex, SLCD-M1/25/Ex

防爆标志 Ex ib IIC T5/T6 Gb

产品标准 -

总装图号 SA96DXEX

经对上述产品图样及技术文件的审查和样品检验,确认符合下列标准:

GB/T 3836.1-2021 《爆炸性环境 第1部分:设备 通用要求》
GB/T 3836.4-2021 《爆炸性环境 第4部分:由本质安全型“i”保护的设备》

记事:见附页。

中心主任

颁发日期

2022年11月20日

本证有效期

2022年11月20日至2027年11月19日



南阳防爆电气研究所
国家防爆电气产品质量检验检测中心



公众号



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防爆合格证 (附页)

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1. 本产品已通过 IECEx 认证, 证书编号: IECEx TUN 16.0001X 第 1 版, 颁发日期为 2017-01-26。
2. 产品描述:
SA96DX-I/Ex 长行程变送器和 SLCD-M1/25/Ex 短行程变送器设计用于工业制冷压缩机与容量控制相关的模拟线性测量。
该传感器分别提供长行程 (LS) 和短行程 (SS) 测量:
长行程版本测量行程最大为 50-2000 mm, 可以校准测量 50-80 mm 的最小行程。
短行程版本测量行程最大为 0-25 mm, 可以校准测量 0-5 mm 的最小行程。
传感器提供对应于最大位移量的 4-20 mA 模拟信号。该传感器专为制冷系统的恶劣条件而设计, 可应对高达 100 bar 的振动和高压。
3. 技术参数
电源及信号电路:
保护类型为 Ex ib IIC 时只能连接于认证过的本安电路且电路参数最大值如下:
 $U_i < 28 \text{ V}$ $I_i < 116 \text{ mA}$ $P_i < 585 \text{ mW}$ $C_i = 22 \text{ nF}$ $L_i = 1 \text{ mH}$
允许的环境温度范围:
T5: $-20^\circ \text{C} \sim +80^\circ \text{C}$
T6: $-20^\circ \text{C} \sim +70^\circ \text{C}$
4. 安全使用条件:
 - 设备未在型号标签上标明温度范围, 因此必须说明安全使用的具体要求。
 - 该设备必须与标准电磁阀连接器一起使用。

中心主任

颁发日期 2022年11月20日

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