



NORGREN

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EC - Declaration of Conformity

In accordance with Directive 94/9/EC

This is to declare that the

Equipment: Valve Solenoids
Model Series: 029x, 205x, 42xx, 46xx, 48xx
are in conformity with the provisions of the Directive 94/9/EC for use in potentially explosive atmospheres.

Referenced normative documents:

EN 60 079-0:2006	General requirements (gases)
EN 60 079-1:2004	Flameproof enclosure „d“
EN 60 079-7:2007	Increased safety „e“
EN 60 079-11:2007	Intrinsic safety „i“
EN 60 079-18:2004	Encapsulation "m"
EN 61 241-0:2006	General requirements (dusts)
EN 61 241-1:2004	Protection by enclosure "tD"
EN 61 241-11:2006	Intrinsic safety „iD“
EN 61 241-18:2004	Encapsulation "mD"
EN 13463-1:2001	Non-electrical equipment, basics

Marking



II 2 GD

Ex mb II T4, Ex tD A21 IP66 T110°C

Ex ia IIC T4/T6, Ex iaD 21 T80/100°C

Ex emb II T4/T5/T6, Ex tD A21 IP66 T130°C

Ex dmb IIC T4/T5/T6, Ex emb II T4/T5/T6, Ex tD A21 IP66 T130°C

Ex mb d IIC T4/T6, Ex mb e II T4/T6, Ex mbD 21 tD A21 IP66 T100°C

EC-Type Examination Certificate:

KEMA 02 ATEX 1347 X

PTB 07 ATEX 2019

KEMA 98 ATEX 4452 X

PTB 02 ATEX 2085 X

PTB 06 ATEX 2054 X

The above mentioned valve solenoids can be used in combination with the following valve series in accordance with our data sheets in zones 1, 2, 21 and 22:

1025xxx*), 21023xx, 21025xx, 24011xx, 25003xx, 2622xxx, 2623xxx, 2636xxx, 703xxxx, 8010xxx, 802xxxx, 91xxxxx, 95xxxxx, 96xxxxx, 971xxx5, 98xxxx5, 9801xx4*).

Those valves as non-electrical apparatus are not marked additionally as they do not contain a potential ignition source and do therefore not comply under the ATEX directive. It is to pay attention that no flammable fluids are allowed; maximum surface temperature of the non-electrical part depends on the fluid and the ambient temperature and must be below the ignition temperature.

*) If these valves are equipped with an inductive position sensor in type of protection Ex ia IIC T6, then it is to be connected to a certified intrinsically safe circuit only (note maximum values and ambient temperatures, see PTB 01 ATEX 2207X).

EC Certificate for quality system:

EX3 08 04 11122 012 issued by TÜV Product Service GmbH,
D-80339 München (Notified Body No. 0123)

Fellbach, February 2010

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