



Industrie Service

Certificate concerning the examination of conformity

Certificate no: KP 188/1

Certification body: TÜV SÜD Industrie Service GmbH
Zertifizierungsstelle für Produkte der Fördertechnik
Westendstr. 199
80686 München - Germany

Applicant / Certificate holder: Wachendorff Automation GmbH & Co KG
Industriestrasse 7
65366 Geisenheim - Germany

Date of application: 2012-08-01

Manufacturer: Wachendorff Automation GmbH & Co KG
Industriestrasse 7
65366 Geisenheim - Germany

Product: Beltbreak detection system for digital shaftcopyingsystem

Type: "Beltbreak-detection-unit"

Test laboratory: TÜV SÜD Industrie Service GmbH
Zentralbereich Fördertechnik - Sonderbauten
Abteilung Aufzüge und Sicherheitsbauteile
Gottlieb-Daimler-Straße 7
70794 Filderstadt - Germany

Date and number of the test report: 2012-08-21
KP 188/1

Test specifications:

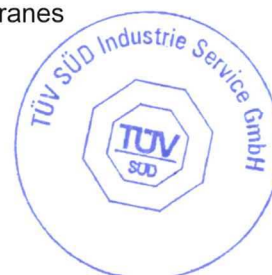
- 95/16/EG, Annex I
- EN 81-1:1998+A3:2009 (D)
- EN 81-2:1998+A3:2009 (D)

Result: The equipment fulfills the requirements of the test specifications for the respective scope of application stated in the annex, page 1, of this certificate, keeping the mentioned conditions.

Date of issue: 2012-08-21

Certification body for lifts and cranes

C. Rüchmeyer
Christian Rüchmeyer



**Annex to the certificate concerning the examination of conformity
No. KP 188/1 dated 2012-08-21**

1. Scope of application

The belt monitoring system in the pit of type "Beltbreak-detection-unit" is used to securely shutdown the lift with a positively driven safety contact in case of breakage of the toothed belt of the digital shaft-copying system.

The belt monitoring system is mounted in the pit and can be used with the 2 variants of the digital shaft-copying system Silent Move TWIN guided belt respectively Silent Move TWIN circumferential.

Both variants differ only in the construction of the belt clamping at the end of the lever arm. The guided belt system is pulled upwards directly by the belt and a clamp.

The circumferential system is equipped with a pulley where the tensioned belt is guided according to the function of the Silent Move TWIN circumferential system.

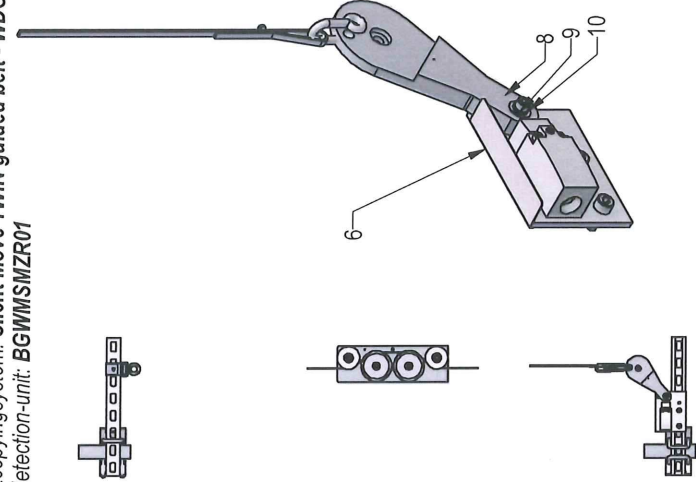
2. Conditions

- 2.1 The written notes and dimensions of approval drawing no. TÜV_SilentMoveTWIN_MZR_UZR dated 2012-04-11 must be met.
- 2.2 The **maximum permissible shaft height** for the system Beltbreak-detection-unit is
 - **55 m** for digital shaft-copying system Silent Move TWIN **circumferential** BGWMSUZR01.
 - **120 m** for digital shaft-copying system Silent Move TWIN **guided belt** BGWMSMZR01.
- 2.3 The installation instructions in the installation guide "Montageanleitung Schachtkopierung TWIN WDGMSUZR" dated 2012-01-19 (4 pages) and guide "Montageanleitung Schachtkopierung TWIN WDGMSMZR" dated 2012-08-17 (4 pages) must be observed (e.g. correct adjustment of the tension of the belt by defined length of the spring).
- 2.4 As electrical safety device, the safety switch with positive opening of the manufacturer Eaton of type LS-11 / P shall be used.
- 2.5 The fixing of the safety switch must be carried out through two M4x30 hexagon socket cylinder screws. The screws must be additionally secured by screws adhesive (e.g. Loctite) and sealing wax on the screw.
- 2.6 Use of the toothed belt "Optibelt Omega linear 5M Glasscord flat toothed belts made of chloroprene, limited" of the manufacturer Optibelt Power Transmission. The belt width must be 5 mm.

3. Remarks

- 3.1 For identification and information about the principal construction the drawing no. TÜV_SilentMoveTWIN_MZR_UZR dated 2012-04-11 with certification stamp of 2012-08-21 has to be enclosed to the certificate concerning the examination of conformity KP 188/1 and its annex.
- 3.2 The max. permissible value for the travel height of currently 55 m (circumferential system) and 120 m (guided belt system) has been confirmed by practical tests. This value does not represent the limit of the system, to increase the max. travel height, additional test are necessary.
- 3.3 The product shall be clearly labelled with the name of the manufacturer and the type specification, to be able to check the conformity of the examined product with the series production.
- 3.4 The certificate concerning the examination of conformity number KP 188/1 may be used only in connection with the pertinent Annex.
- 3.5 If new knowledge should occur, the test laboratory reserves the right, to give additional conditions concerning the use of the Beltbreak-detection-unit, or to modify existing conditions.
- 3.6 The certificate about an examination of conformity number KP 188/1 can be added to the required reading technical dossier as a help for decision of the notified body.

Note: The English text is a translation of the German original. In case of any discrepancy, the German version is valid only.



Schachtkopierungssystem: **Silent Move TWIN** mitlaufend - **WDGMSMZR**
 Riemenriss-Überwachung: **BGWMSMZR01**
 Digital shaftcopyingsystem: **Silent Move TWIN** guided belt - **WDGMSMZRR**
 Beltbreak-detection-unit: **BGWMSMZR01**

Digital shaftcopyingsystem: **Silent Move TWIN circumferential - WDGMSUZR**
Beltbreak-detection-unit: **BGWMSUZR01**

Rennerfriss-Überwachung: **BGWMSMZR01**
Digital shaftcopyingsystem: **Silent Move TWIN guided belt - WDGMSMZR**
Beltbreak-detection-unit: **BGWMSMZR01**

In addition, the screws, which fix the safety-switch (5), get protected from manipulation by plomberlack!

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			Datum	Name
			Gezeichnet	pst
			Kontrolliert	

[illegible]

Zeichn. Nr.: TÜV_SilentMoveTWIN_MZR_UZR

Status	Änderungen	Datum	Name	Bezeichnung: Zulassungszeichnung KP188 - Silent Move TWIN



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21. AUG. 2012