

ZERTIFIKAT ◆ CERTIFICATE ◆ CERTIFICADO ◆ CERTIFICAT ◆ СЕРТИФИКАТ ◆ 認証証書 ◆ CERTIFICATE ◆ CERTIFICAT



Industrie Service

EU TYPE-EXAMINATION CERTIFICATE

According to Annex IV, Part A of 2014/33/EU Directive

Certificate No.:	EU-UCM 007
Certification Body of the Notified Body:	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 Munich – Germany Identification No. 0036
Certificate Holder:	Blain Hydraulics GmbH Pfaffenstr. 1 74078 Heilbronn - Germany
Manufacturer of the Test Sample: (Manufacturer of Serial Production – see Enclosure)	Blain Hydraulics GmbH Pfaffenstr. 1 74078 Heilbronn - Germany
Product:	Hydraulic valve for a brake element as part of a protection against unintended downward car movement
Type:	L10 2"
Directive:	2014/33/EU
Reference Standards:	EN 81-20:2014 EN 81-50:2014 EN 81-2:1998+A3:2009
Test Report:	EU-UCM 007 of 2016-03-30
Outcome:	The safety component conforms to the essential health and safety requirements of the mentioned Directive as long as the requirements of the annex of this certificate are kept.
Date of Issue:	2016-03-30
Date of Validity:	from 2016-04-20

Achim Janocha
Certification Body "lifts and cranes"



**Annex to the EU Type-Examination Certificate
No. EU-UCM 007 of 2016-03-30**



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1 Scope of application

Hydraulic valve for a brake element as part of a protection against unintended downward car movement, type L10 2"

Maximum braking distance after triggering up to	800 mm
Maximum permissible distance: level position - triggering up to	250 mm
Permissible nominal speed up to	1.00 m/s
Permissible release speed up to	1.30 m/s
Permissible nominal flow	≤ 800 l/min
Nominal pressure range	12 - 59 bar
Viscosity range	20 - 450 cSt

2 Terms and Conditions

- 2.1 For identification and information about the principal design and operation and for demarcation of the examined and approved sample the approval drawing, no. L10-2 KS b dated 2011-10-11 with certification stamp of 2016-03-30 has to be enclosed to the EU type-examination certificate and its annex.
- 2.2 The above mentioned safety component represents only one part of the protective equipment against movements of the car in downward direction. Only in combination with a detection and triggering component (also two different components are possible), which must be subjected to an own EU type-examination according to the test procedure specified in EN 81-2:1998+A3:2009 (D), Annex F.8 / EN 81-50:2014 (D), section 5.8, the created system can fulfil the requirements for a protection means in accordance with EN 81-2:1998+A3:2009 (D), section 9.13 / EN 81-20:2014 (D), section 5.6.7.
- 2.3 The installer must prepare test instructions in order to meet the overall concept of the elevator system, enclose these test instructions in the elevator documents and if necessary provide important tools or measuring devices which allow easy tests (e.g., when landing doors are closed).
- 2.4 Provided that the voltage drop on the coil has occurred within the distance of 250 mm as indicated in the scope of application it can be assumed that the requirements for braking distance and acceleration according to EN 81-2:1998+A3:2009 (D), point 9.13.5 and 9.13.6 / EN 81-20:2014, point 5.6.7.5 and 5.6.7.6 are met.
- 2.5 The pressure lock valve Blain L10 2" is an electrically operated check valve which can only be used in connection with an elevator valve as an additional safety valve for the prevention of unintended downward travel while a landing door is open according to EN 81-2:1998+A3:2009 (D), section 9.13 / EN 81-20:2014, section 5.6.7. The detection of emergency cases, the function of the brake in an upwards direction and the triggering of both brakes is the task of the control unit.
- 2.6 For a correct function the magnet of the Blain L10 2" valve must be de-energised according to the requirements of EN 81-2:1998+A3:2009 (D), section 9.13.8 / EN 81-20:2014, section 5.6.6.5 in case that the cabin moves 250 mm away from the level position while the door is open. Dead times of the electronic system must be considered.
- 2.7 The installer must be provided with written confirmation of the compliance of the component with the type tested part as well as of the guaranteed braking distances and accelerations.
- 2.8 The EU type-examination certificate may only be used in combination with the corresponding annex and enclosure (List of authorized manufacturer of the serial production). The enclosure will be updated immediately after any change by the certification holder.

Annex to the EU Type-Examination Certificate
No. EU-UCM 007 of 2016-03-30



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3 Remarks

3.1 This EU type-examination certificate was issued according to the following standards:

- EN 81-2:1998 + A3:2009 (D), part 9.13
- EN 81-2:1998 + A3:2009 (D), annex F.8
- EN 81-20:2014 (D), part 5.6.7
- EN 81-50:2014 (D), part 5.8

A revision of this EU type-examination certificate is inevitable in case of changes or additions of the above mentioned standards or of changes of state of the art.

3.2 In case that there is a risk of unintended car movement in the upward direction, appropriate measures must be taken by the installer.

**Enclosure to the EU Type-Examination Certificate
No. EU-UCM 007 of 2016-03-30**



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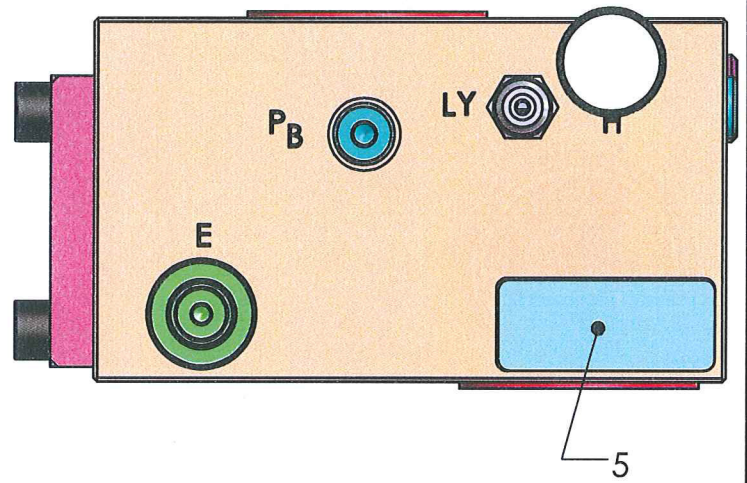
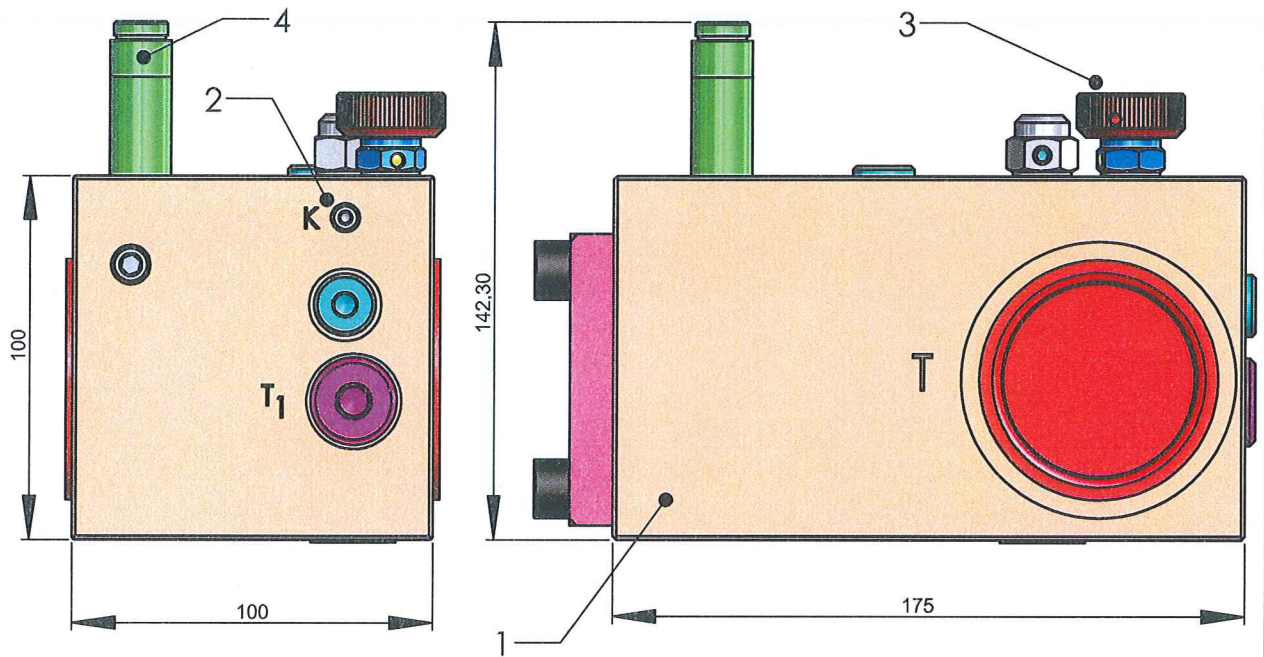
Authorised Manufacturer of Serial Production – Production Sites (valid from: 2016-03-30):

Company	Blain Hydraulics GmbH
Address	Pfaffenstr. 1 74078 Heilbronn - Germany

- END OF DOCUMENT -

Based on: Document from Blain Hydraulics GmbH of 2016-03-11

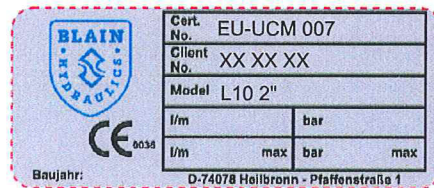
Note: The English text is a translation of the German original. In case of any discrepancy, the German version is valid only.



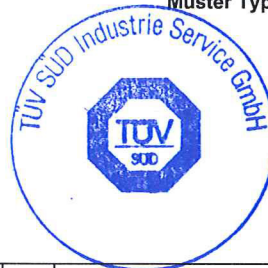
30. MRZ. 2016

GEPRÜFT / APPROVED
 TÜV SÜD Industrie Service GmbH
 Prüflaboratorium für Produkte der Fördertechnik
 Westendstraße 199
 80686 München
 Sachverständige(r) / Expert

Position	Benennung
1	Gehäuse L10 2" mit KS
2	Kolbensicherung
3	Notablaßknopf
4	Magnetrohr
5	Typenschild mit CE (EV-L10)



Muster Typenschild (Art.Nr.5)



Dienstag, 5. April 2016 14:10:00

d							
c							
b							
Ind	Änderung		Datum	Ind	Änderung		Datum
BLAIN HYDRAULICS	Werkstoff:		Datum	Name	Benennung: Drucksperrventil 2" mit KS	Zeichnungs-Nr.: L10-2 KS	b
	Rohmaße:	gez	11.10.2011				
		gepr.					