



Industrie Service

EU-TYPE EXAMINATION CERTIFICATE

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

Certificate No.: EU-UCM 004/1

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: Blain Hydraulics GmbH
Pfaffenstr. 1
74078 Heilbronn - Germany
(Manufacturer of Serial Production – see Enclosure)

Product: Hydraulic valve for a brake element as part of a protection against unintended downward car movement

Type: L10 ½"

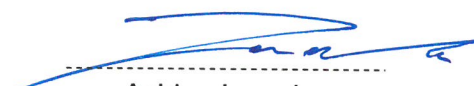
Directive: 2014/33/EU

Reference Standards: EN 81-20:2020
EN 81-50:2020

Test Report: EU-UCM 004/1-008/1 of 2022-07-04

Outcome: The product conforms to the essential health and safety requirements of the mentioned Directive if the requirements of the annex to this EU-type examination certificate are kept..

Date of Issue: 2022-07-19


Achim Janocha
Notified Body LCC



Annex to the EU-type examination Certificate
No. EU-UCM 004/1 of 2022-07-19



1 Scope of application

Hydraulic valve for a brake element as part of a protection against unintended downward car movement, type L10 ½"

Maximum braking distance after triggering up to	750 mm
Maximum permissible distance: level position - triggering up to	250 mm
Permissible nominal speed up to	0.45 m/s
Permissible release speed up to	0.59 m/s
Permissible nominal flow	≤ 80 l/min
Nominal pressure range	10 - 100 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. L10-0.5 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 81-50:2020 (D), section 5.8, the created system can fulfil the requirements for a protection means in accordance with EN 81-20:2020 (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 81-20:2020, point 5.6.7.5 and 5.6.7.6 are met.
- 2.5 The pressure lock valve Blain L10 ½" 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 81-20:2020, 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 ½" valve must be de-energised according to the requirements of EN 81-20:2020, 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 004/1 of 2022-07-19



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3 Remarks

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

- EN 81-20:2020
- EN 81-50:2020

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 004/1 of 2022-07-19**



Industrie Service

Authorised Manufacturer of Serial Production – Production Sites (valid from: 2022-06-03):

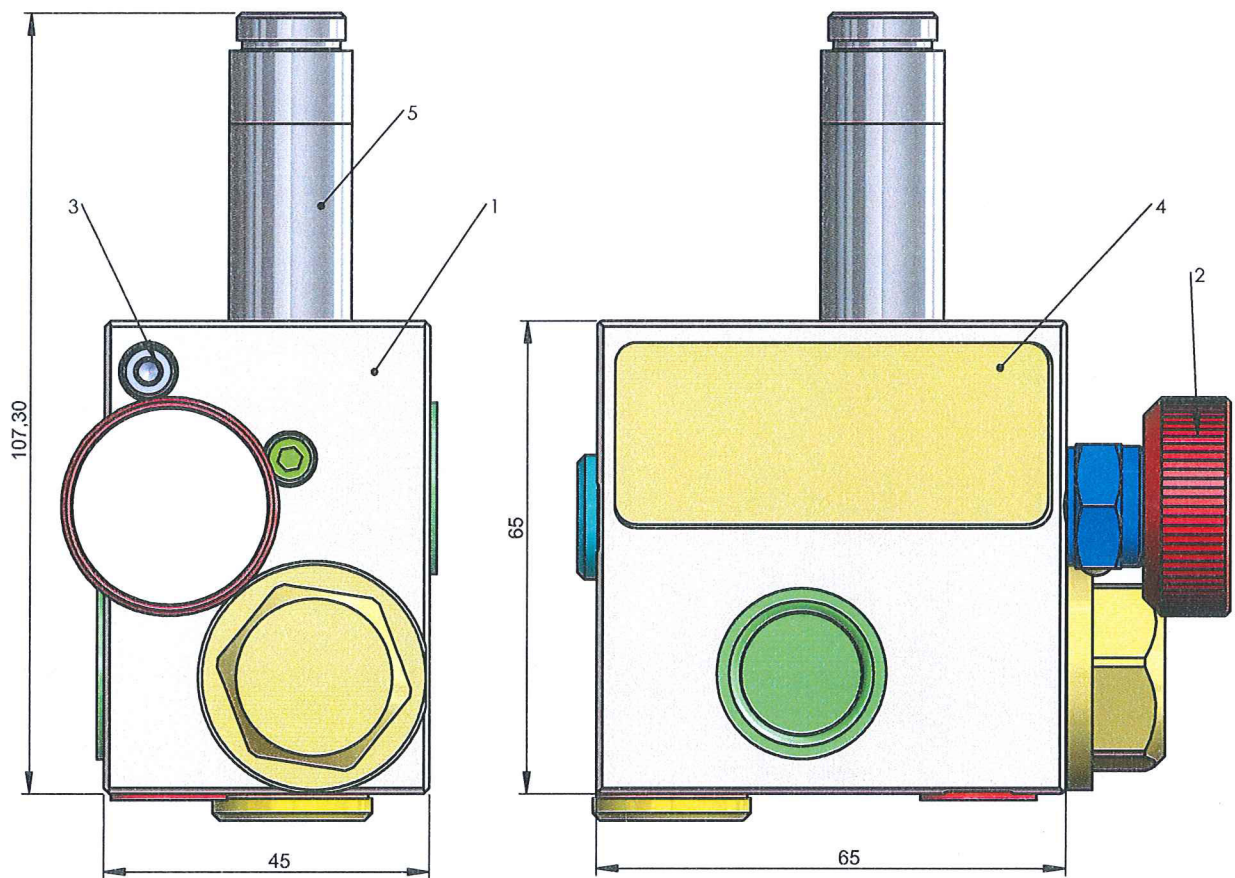
Company	Blain Hydraulics GmbH
Address	Pfaffenstr. 1 74078 Heilbronn - Germany

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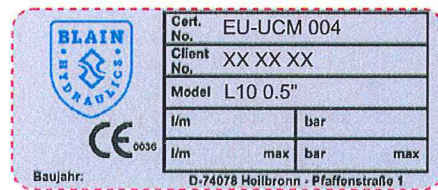
Based on: Document from Blain Hydraulics GmbH of 2022-06-03

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

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Position	Benennung
1	Gehäuse L10 1/2" mit KS
2	Notablaß M14x1,5
3	Kolbensicherung
4	Typenschild mit CE (EV-L10)
5	Magnetrohr AB



Muster Typenschild (Art.Nr.4)

30. MRZ. 2016

GEPRÜFT / APPROVED
TÜV SÜD Industrie Service GmbH
Prüflaboratorium für Produkte der Fördertechnik
Westendstraße 19
80686 München
Sachverständige(r) / Expert



Dienstag, 5. April 2016 14:15:10

d							
c							
b							
Ind	Änderung	Datum	Ind	Änderung	Datum		
BLAIN HYDRAULICS	Werkstoff:	Datum	Name	Maßstab	Benennung:	Zeichnungs-Nr.:	
	Rohmaße:	gez. 11.10.2011		1:1	Drucksperrventil 0.5" mit KS	L10-0.5 KS	b
		gepr.					