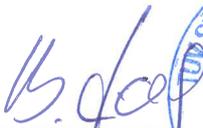




# EU-TYPE EXAMINATION CERTIFICATE

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

<b>Certificate No.:</b>	EU-UCM 007-2
<b>Notified Body:</b>	TÜV SÜD Industrie Service GmbH Westendstr. 199 80686 Munich – Germany Identification No. 0036
<b>Certificate Holder:</b>	Blain Hydraulics GmbH Pfaffenstr. 1 74078 Heilbronn - Germany
<b>Manufacturer of the Test Sample:</b> (Manufacturer of Serial Production – see Enclosure)	Blain Hydraulics GmbH Pfaffenstr. 1 74078 Heilbronn - Germany
<b>Product:</b>	Hydraulic valve for a brake element as part of a protection against unintended downward car movement
<b>Type:</b>	L10 2"
<b>Directive:</b>	2014/33/EU
<b>Reference Standards:</b>	EN 81-20:2020 EN 81-50:2020
<b>Test Report:</b>	EU-UCM 005/2-007/2 of 2022-10-06
<b>Outcome:</b>	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.
<b>Date of Issue:</b>	2022-11-01

  
  
 Bernd Gründling  
 Notified Body LCC

**Annex to the EU-type examination Certificate  
No. EU-UCM 007-2 of 2022-11-01**



**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. L10-2.0" F KS b dated 2022-07-20 (page 1-2) with certification stamp of 2022-10-06 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 Blain UCM-valve 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 In order for it to function properly, the magnet of the Blain UCM-valve must be de-energized in accordance with the requirements of EN 81-20:2020, Section 5.6.6.5 at the latest when the car has moved a maximum of 250 mm from the flush position with the door 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 007-2 of 2022-11-01**



Industrie Service

**3 Remarks**

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

- EN 81-20:2020 (D), part 5.6.7
- EN 81-50:2020 (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.

3.3 The Certification Body LCC of the TÜV SÜD Industrie Service GmbH is a Certification Body accredited by DAkkS according to DIN EN ISO 17065. The accreditation is only valid for the scope of accreditation listed in the Annex of the certificate D-ZE-14153-03-02.

**Enclosure to the EU-type examination Certificate  
No. EU-UCM 007-2 of 2022-11-01**



Industrie Service

**Authorised Manufacturer of Serial Production – Production Sites (valid from: 2022-07-26):**

<b>Company</b>	<b>Blain Hydraulics GmbH</b>
<b>Address</b>	Pfaffenstr. 1 74078 Heilbronn - Germany

- END OF DOCUMENT -

Based on: Application from Blain Hydraulics GmbH of 2022-07-26

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

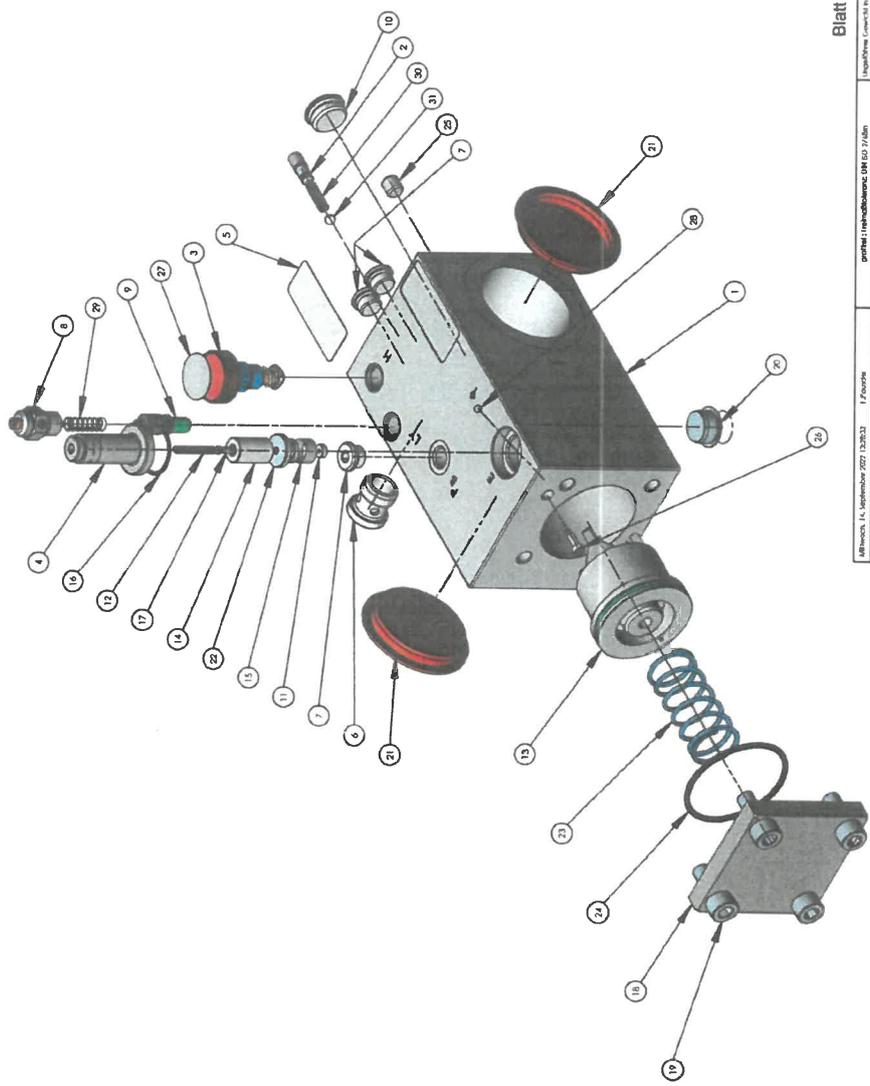
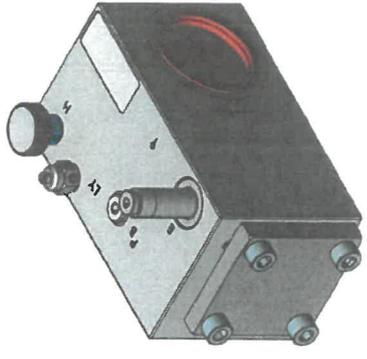
Nr.	Benennung	Zeichnungsnummer	Material	Arbeitsnummer	Stk.
1	Gehäuse L10 Z F mit KS	L 113 F KS	AlCuMgPb	500822	1
2	Korbmutter	Drosselverklebe Kleberbeschichtung		101690	1
3	Nocken M14x1,5	Nocken M14x1,5		102078	1
4	Magnetrohr AB	Magnetrohr AB		102042	1
5	Typenschild mit CE 0038	EV 148 CE 0038	Aluminium mit Kohlen SW 468	105718	1
6	L 10 Filter BR 1,5*2,5*, L20	L 10 Filter BR 1,5*2,5*, L20		500955	1
7	Verschleißschraube G1/2	EV 259	1.0718 (11SMnPC30)	102501	3
8	Überdruckschraube 18 lang	Schraube 18 lang		102100	1
9	KV1 0,5 Sanikobrem (K419)	Sanikobrem KV1 (Ø) 1/40		103287	1
10	Verschleißschraube G1/2	EV 255	1.0718 (11SMnPC30)	102282	1
11	Schraube 2,2	EV 134 - 2,2	X120ANS188 Nr. 1.4305	102478	1
12	Feder	F 85	EN 10270-1 BH	100152	1
13	L 10 Kolben Z	L 10 Kolben Z		103449	1
14	Magnethelm	EV 135	1.0718 (11SMnPC30)	102482	1
15	Seb Magnetschieber "ab"	EV 133-1	Dreiflügelwe	102471	1
16	O-Ring 26x2 NBR 70	O-Ring 26x2 NBR	NBR	102228	1
17	Magnetschieber "ab"	EV 139		102521	1
18	Dichtung L10 Z	L 123	1.4305 (D16CNS18-6)	103413	1
19	Zylinderkappe DIN 12 mit O225 schwarzverzinkt	DIN12 M10x25 schwarzverzinkt	AlCuAlMgPb	100074	4
20	Gewindeführschraube 1/2"	Cerna M1-Nr.: 40180	schwarzverzinkt	103938	2
21	Gewindeführschraube 2"	Cerna M1-Nr.: 40540	LD-PE	102170	1
22	Magnetschieber	F 73	EN 10270-1 SH	100169	1
23	Feder	F 73		103935	2
24	O-Ring 50x3 NBR 70	O-Ring 50x3 NBR		102170	1
25	Gewindestift DIN 913 M10x10 schwarzverzinkt	DIN913 M10x10 schwarzverzinkt	NBR	103935	1
26	Kugelschleppschraube	L 145	DIN 912 - 14x14	103428	1
27	Nockenblock	EV 148 N	Aluminium mit Kohlen SW 468	103543	1
28	Nockenstift	DIN 5401-4	Kugelmutter, Glühklasse 3	100169	1
29	Feder	F 69	EN 10270-1 SH	100167	1
30	Feder	F 80	Federstift, EN 10270-1 SH	100168	1
31	Stahlkugel	DIN 6401-6	Kugelmutter, Glühklasse 3	100190	1

Alternative Bauteile zu Position 31 (Filterungsgruppe):

Nr.	Benennung	Zeichnungsnummer	Material	Arbeitsnummer	Stk.
31a	Gehäuse Einbauschrauber Br 1,5*2,5*, L20	L 166	118MnPP30-C	500854	1
31b	Gehäuse Einbauschrauber Br 1,5*2,5*, L20 - 6kn	L 168	118MnPP30-C	500887	1
31c	Gehäuse Einbauschrauber Br 1,5*2,5*, L20	L 167	1.4301 Drahtgewebe	500951	1
31d	Gehäuse Einbauschrauber Br 1,5*2,5*, L20 - 6kn	L 169	1.4301 Drahtgewebe	500888	1



**06. OKT. 2022**  
**GEPRÜFT / APPROVED**  
 TÜV SÜD Industrie Service GmbH  
 Prüflaboratorium für Produkte der Fa. Blain  
 Westendstraße 138  
 80699 München  
 Sachverständigenamt



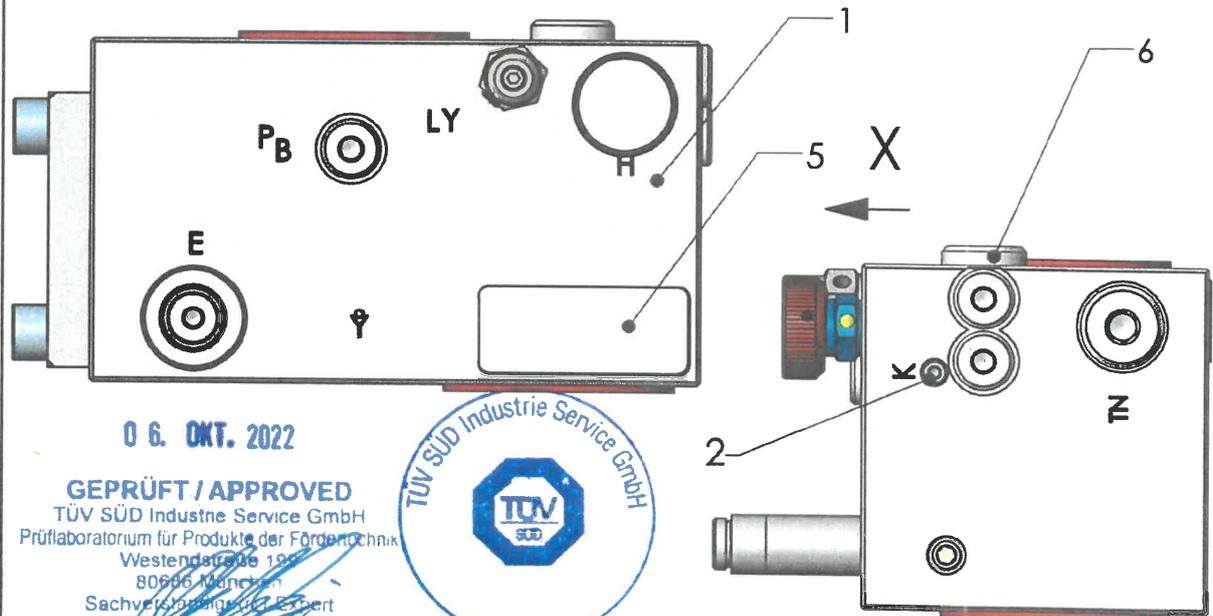
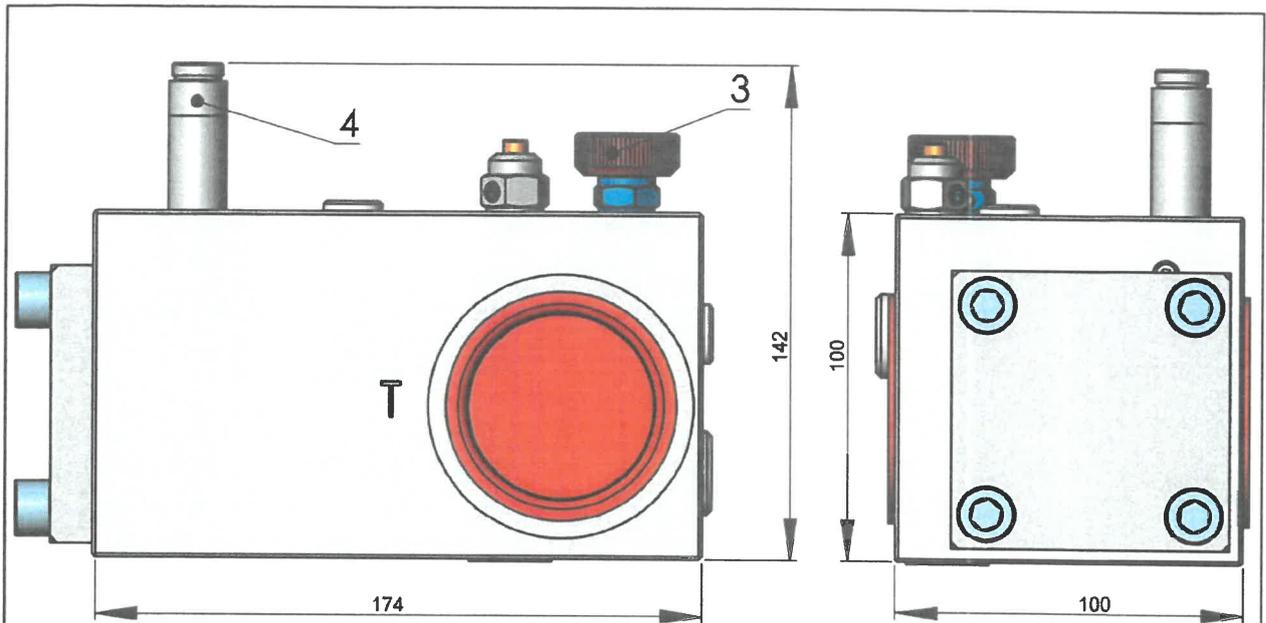
Blatt 1/2

Arbeits-Nr.: 103438  
 Zeichnungs-Nr.: L10 Z0 F KS B  
 www.blain.de

geprüft: 14. September 2022 13:03:32  
 I. F. P. 1.000000

gepr. 20.07.2022  
 papr.

Blain Hydraulik GmbH | Pöhlstraße 17, 44078 Halbeson, Germany | Tel.: +49-2131-28210 Fax: +49-2131-282109



06. OKT. 2022

**GEPRÜFT / APPROVED**  
 TÜV SÜD Industrie Service GmbH  
 Prüflaboratorium für Produkte der Fördertechnik  
 Westendstraße 195  
 80696 München  
 Sachverständigenamt Expert



Position	Benennung
1	Gehäuse L10F 2" mit KS
2	Kolbensicherung
3	Notablaßknopf
4	Magnetrohr
5	Typenschild mit CE (EV-L10)
6	Filter



Cert. No. EU-UCM 007/2	
Client No. XX XX XX	
Model L10 2"	
l/min	bar
l/min	max bar max

Muster Typenschild (Art.Nr.5)

Blatt 2/2

C:\Blain\L10\TUV

Mittwoch, 14. September 2022 13:28:32	F.Pausder	grafrel : Freimaßtoleranz: DIN ISO 2768m			Ungefähres Gewicht in Gramm :	
	Werkstoff:	Datum	Name	Maßstab	Benennung:	Art.-Nr.: 103439
	Rohmaße:	gez 20.07.2022	CQ	1:2	Drucksperrventil 2.0" mit KS	Zeichnungs-Nr.: L10 2.0" F KS b