

EU Type Examination Certificate CML 21ATEX31132U Issue 3

- 1 Components intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- 2 Component **Control and signal device actuators, type 07-3400-****/******
- 3 Manufacturer **Bartec GmbH**
- 4 Address **Max-Eyth-Straße 16
97980 Bad Mergentheim
Germany**
- 5 The component is specified in the description of this certificate and the documents to which it refers.
- 6 Eurofins CML B.V., Chamber of Commerce No 67386717, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in the confidential reports listed in Section 12.
- 7 The 'U' suffix after the certificate number indicates that the component is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- 8 This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- 9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:

EN IEC 60079-0:2018

EN IEC 60079-7:2015/A1:2018

EN 60079-31:2014

- 10 The equipment shall be marked with the following:



II 2 G D

Ex eb IIC Gb

Ex tb IIIC Db

Ts= -55°C to +70°C

11 Description

The control and signal device actuators, type 07-3400-****/**** are a range of plastic actuating elements. They are intended for installation in increased safety and dust protected electrical equipment enclosure walls and lids.

- Mechanical risk level: high
- Degree of protection IP66*
under the following conditions:
rated torque (fixing nut) 2.8 - 3.4 Nm
wall thickness (for mounting) 1 - 6 mm
mounting hole 30.3^{+0.3} mm

Type no.	0	7	-	3	4	0	0	-	*	*	*	*	/	*	*	*	*
Code no.	A	B		C	D	E	F		G	H	I	J		K	L	M	N

Code	Code for	Variations	Description
A-F	Product group	07-3400	Control and signal device
G	Type	A	Push button
		B	Blind plug
		C	Double push button
		D	Potentiometer
		E	Key selector switch*
		F	Selector switch large
		G	Selector switch for control module
		L	Pilot light
		N	Emergency stop pull to release
		P	Mushroom push button
		R	Emergency stop twist to release
		S	Selector switch
		T	Illuminated push button
H-N	Number or letter for characteristics without influence on the explosion protection		

* The control and signal device actuator, type 07-3400-E***/**** (key selector switch), meets the requirements up to IP64.

The control and signal device actuators, type 07-3400-****/**** may optionally be provided with one of the following accessories:

- protective collar
- locking device
- shield holder
- marking clip

Variation 1

This variation introduces the following modifications:

- i. To update the design of actuator, type 07-3400-R***/*

Variation 2

This variation introduces the following modifications:

- i. To include actuator types, 07-3400-F***/* and 07-3400-G***/*.
- ii. To update a typographical error in drawing 01-3400-650004.
- iii. Minor change to product description.

Variation 3

This variation introduces the following modifications:

- i. To introduce a new spring on actuator types; 07-3400-E***/* and 07-3400-S***/*.
- ii. To introduce a new design profile of the marking clip and the shield holder.
- iii. To introduce an optional cement on actuator type; 07-3400-P***/*.

12 Certificate history and evaluation reports

Issue	Date	Associated report	Notes
0	27 Jul 2022	R14615A/00	Issue of Prime Certificate
1	22 Mar 2023	R16247A/00	Introduction of Variation 1
2	17 Aug 2023	R16533A/00	Introduction of Variation 2
3	02 Aug 2024	R17883A/00	Introduction of Variation 3

Note: Drawings that describe the equipment or component are listed in the Annex.

13 Conditions of Manufacture

The following conditions are required of the manufacturing process for compliance with the certification.

- i. Where the product incorporates certified parts or safety critical components, the manufacturer of the product defined on this certificate shall continually monitor these parts/components for any modifications introduced by the manufacturer(s) of these constituent parts. If the manufacturer of any constituent part introduces any changes which affect the compliance of the certified product that is the subject of this certificate, the manufacturer is required to have this certificate updated.

14 Schedule of Limitations

The following conditions relate to safe installation and/or use of the equipment.

- i. When the components are installed to electrical equipment, the service temperature of the components shall be within -55°C to +70°C.
- ii. Under certain extreme circumstances, the component may be considered to be a potential electrostatic charging hazard. The risk of electrostatic discharge shall be minimized as stated in EN IEC 60079-0 clauses 7.4.2 and 7.4.3.
- iii. The control and signal device actuators, type 07-3400-A***/* (push button), and type 07-3400-P***/* (mushroom push button), shall only be used in combination with the BARTEC modules type 07-332*-*/* or type 07-3382-*/*.

Certificate Annex

Certificate Number CML 21ATEX31132U
Equipment Control and signal device actuators, type 07-3400-****/****
Manufacturer Bartec GmbH



The following documents describe the equipment or component defined in this certificate:

Issue 0

Document No	Sheets	Rev	Approved date	Title
01-3400-650001	1 to 2	-	27 Jul 2022	Push button type 07-3400-A***/****
01-3400-650001-BOM	1 to 3	-	27 Jul 2022	ComEx Actuators type 07-3400-****/****
01-3400-650002	1 to 2	-	27 Jul 2022	Emergency stop pull to release type 07-3400-N***/****
01-3400-650003	1 to 2	-	27 Jul 2022	Emergency stop twist to release type 07-3400-R***/****
01-3400-650004	1 to 2	-	27 Jul 2022	Illuminated push button type 07-3400-T***/****
01-3400-650005	1 to 2	-	27 Jul 2022	Pilot light type 07-3400-L***/****
01-3400-650006	1 of 1	-	27 Jul 2022	Spring
01-3400-650007	1 to 2	-	27 Jul 2022	Double push button type 07-3400-C***/****
01-3400-650008	1 to 2	-	27 Jul 2022	Mushroom push button 07-3400-P***/****
01-3400-650009	1 to 2	-	27 Jul 2022	Potentiometer type 07-3400-D***/****
01-3400-650010	1 to 2	-	27 Jul 2022	Key selector switch 07-3400-E***/****
01-3400-650011	1 to 2	-	27 Jul 2022	Selector switch type 07-3400-S***/****
01-3400-650012	1 of 1	-	27 Jul 2022	Protective collar
01-3400-650013	1 of 2	-	27 Jul 2022	Locking device
01-3400-650014	1 to 2	-	27 Jul 2022	Blind plug type 07-3400-B***/****
01-3400-650015	1 of 1	-	27 Jul 2022	Shield holder
01-3400-650016	1 of 1	-	27 Jul 2022	Marking clip
01-3400-650017	1 of 1	-	27 Jul 2022	Marking for ComEx actuators type 07-3400-****/****
01-3400-650021	1 of 1	-	27 Jul 2022	Spring
01-3400-6A0001	1 of 1	-	27 Jul 2022	Minimum content of Marking Control and signal device actuators type 07-3400-****/****

Certificate Annex

Certificate Number CML 21ATEX31132U
Equipment Control and signal device actuators, type 07-3400-****/****
Manufacturer Bartec GmbH



Issue 1

Document No	Sheets	Rev	Approved date	Title
01-3400-650001-BOM	1 to 3	A	22 Mar 2023	ComEx Actuators type 07-3400-****/****
01-3400-650003	1 to 2	A	22 Mar 2023	Emergency stop twist to release type 07-3400-R***/****

Issue 2

Document No	Sheets	Rev	Approved date	Title
01-3400-650001-BOM	1 to 4	B	15 Aug 2023	ComEx Actuators type 07-3400-****/****
01-3400-650004	1 to 2	A	15 Aug 2023	Illuminated push button type 07-3400-T***/****
01-3400-650018	1 to 2	-	15 Aug 2023	Selector switch large type 07-3400-F***/****
01-3400-650019	1 to 2	-	15 Aug 2023	Selector switch for control module type 07-3400-G***/****

Issue 3

Document No	Sheets	Rev	Approved date	Title
01-3400-650001-BOM	1 to 4	C	02 Aug 2024	ComEx Actuators typ 07-3400-****/****
01-3400-650008	1 to 2	A	02 Aug 2024	Mushroom push button type 07-3400-P***/****
01-3400-650015	1 of 1	A	02 Aug 2024	Shield holder
01-3400-650016	1 of 1	A	02 Aug 2024	Marking clip