IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

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Ex COMPONENT CERTIFICATE

Certificate No.:	**IECEx PTB 05.0034U**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 4	Issue 3 (2021-05-07) Issue 2 (2017-08-01) Issue 1 (2014-01-15) Issue 0 (2005-12-19)
Date of Issue:	2023-02-28		

Applicant: **WAGO GmbH & Co. KG**
Hansastrasse 27
Minden 32423
Germany

Ex Component: WAGO Through terminal block, earthing conductor and shield conductor terminal block, Type TOPJOB S 2001-****, type TOPJOB S 2001-***7 and type TOPJOB S 2001-***8

This component is NOT intended to be used alone and requires additional consideration when incorporated into other equipment or systems for use in explosive atmospheres (refer to IEC 60079-0).

Type of Protection: **Increased Safety "eb"**

Marking: Ex eb IIC Gb or Ex eb I Mb

Approved for issue on behalf of the IECEx Certification Body: **Dr.-Ing. D. Markus**

Position: **Head of Department "Explosion Protection in Energy Technology"**

Signature: (for printed version)

Date: (for printed version) 03.03.2023

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Certificate issued by:

Physikalisch-Technische Bundesanstalt (PTB)
Bundesallee 100
38116 Braunschweig
Germany

Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin

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Manufacturer: **WAGO GmbH & Co. KG**
Hansastrasse 27
Minden 32423
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Manufacturing locations: **WAGO GmbH & Co. KG**
Hansastrasse 27
Minden 32423
Germany

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The component and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Edition:7.0 — Explosive atmospheres - Part 0: Equipment - General requirements

IEC 60079-7:2017 Edition:5.1 — Explosive atmospheres - Part 7: Equipment protection by increased safety "e"

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the component listed has successfully met the examination and test requirements as recorded in:

Test Report:

DE/PTB/ExTR06.0003/04

Quality Assessment Report:

NL/DEK/QAR21.0011/01

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Ex Component(s) covered by this certificate is described below:

Description of equipment

Screwless feed-through terminal block, type TOPJOB S, 2001-**** series as well as screwless earthing and shield conductor terminal block, type TOPJOB S, 2001-***7 and -***8 series with two, three or four clamping units, composed of insulating envelope (polyamide PA 6.6) and connection facilities with cage clamp. Accessories: end cover and adapter plates, partition, bridging elements as well as retaining clip and end bracket. The terminal is fastened on mounting rails.

The terminal is used to connect copper conductors in terminal compartments of the type of protection increased safety "eb" and protection by enclosure "ta, tb, tc".

Technical data, Nomenclature and Schedule of Limitations see Annex.

SCHEDULE OF LIMITATIONS:

The terminals shall be mounted in an enclosure that meets the requirements of an approved type of protection as specified in IEC 60079-0, section 1 or IEC 60079-31.

When installing the terminals in an enclosure designed to Increased Safety "eb" type of protection as specified in IEC 60079-7, the clearance and creepage distances shown in table 2 shall be duly considered. If accessories are used, the instructions for installation provided by the manufacturer shall be observed.

Since in this case the requirements of the standard are identical, the terminal blocks may be used both in group II and group I.

All technical specifications are contained in the technical data section of this certificate

The use of this component requires a further assessment by an ExCB.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

- Alternate insulating material added
- Shield conductor terminal blocks types 2001-1*08 added

Annex:

COCA050034-04.pdf

Attachment to Certificate
IECEx PTB 05.0034 U, Issue No. 4

Applicant:	WAGO GmbH & Co. KG Hansastraße 27 32423 Minden, Germany
Electrical Apparatus: terminal	WAGO Through terminal block, earthing and shield conductor block, Type TOPJOB S 2001-****, TOPJOB S 2001-***7 and TOPJOB S 2001-***8

Description

Screwless feed-through terminal block, type TOPJOB S, 2001-**** series as well as screwless earthing and shield conductor terminal block, type TOPJOB S, 2001-***7 and -***8 series with two, three or four clamping units, composed of insulating envelope (polyamide PA6.6) and connection facilities with cage clamp. Accessories: end cover and adapter plates, partition, bridging elements as well as retaining clip and end bracket. The terminal is fastened on mounting rails.

The terminal is used to connect copper conductors in terminal compartments of the type of protection increased safety "eb" and protection by enclosure "ta, tb, tc".

Technical data

Type 2001	-12**	-13**	-14*1	-1441	-12**	-13**	14*1	-1441	-1207, -1208 -1307, -1308 -1407, -1408
	with comb- type jumper bar				w/o comb-type jumper bar				PE/shield
Rated insulation voltage	500V	500V	500V	500V	500V	500V	500V	500V	--
Rated voltage max.	550V	550V	550V	550V	550V	550V	550V	550V	--
Rated current max.	16A	16A	16A	15A	17A	17A	17A	15A	--
Rated cross section	1.5mm²								
Capacity	0.5 mm² to 2.5 mm², single- and multi wire, finely stranded								
Number of wires per clamping point	1 wire per clamping point								
Resistance	1.33 mΩ (2.5 mm²)								
Rated service temperature range	-55° C to +85° C								

Nomenclature

TOPJOB S	2001-	*	*	**	/(*)***-(*)***
1	2	3	4	5	6

1: Type designation
2: Serie
3: Feed-through terminal block
4: Number of clamping units
5: Colour (07: green-yellow, earth conductor terminal block)
6: Additional option (e.g. special colors, customer variants, etc.)

Note: Other colors not explicitly mentioned in the nomenclature are possible under the condition that the above-mentioned insulating material is used.

Key of Type designation

Terminal blocks	Description
2001-1201	2-conductor feed-through terminal block, grey
2001-1202	2-conductor feed-through terminal block, orange
2001-1203	2-conductor feed-through terminal block, red
2001-1204	2-conductor feed-through terminal block, blue
2001-1205	2-conductor feed-through terminal block, black
2001-1206	2-conductor feed-through terminal block, yellow
2001-1208	2-conductor shield conductor terminal block, white
2001-1209	2-conductor feed-through terminal block, light grey
2001-1301	3-conductor feed-through terminal block, grey
2001-1302	3-conductor feed-through terminal block, orange
2001-1303	3-conductor feed-through terminal block, red
2001-1304	3-conductor feed-through terminal block, blue
2001-1305	3-conductor feed-through terminal block, black
2001-1306	3-conductor feed-through terminal block, yellow
2001-1308	3-conductor shield conductor terminal block, white
2001-1309	3-conductor feed-through terminal block, light grey
2001-1401	4-conductor feed-through terminal block, grey
2001-1441	4-conductor double feed-through terminal block, grey
2001-1402	4-conductor feed-through terminal block, orange
2001-1403	4-conductor feed-through terminal block, red
2001-1404	4-conductor feed-through terminal block, blue
2001-1405	4-conductor feed-through terminal block, black
2001-1406	4-conductor feed-through terminal block, yellow
2001-1408	4-conductor shield conductor terminal block, white
2001-1409	4-conductor feed-through terminal block, light grey
2001-1207	2-conductor ground terminal block, green-yellow
2001-1307	3-conductor ground terminal block, green-yellow
2001-1407	4-conductor ground terminal block, green-yellow

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Accessories

Accessories	Description
2001-1291	End- and intermediate plate for 2-conductor terminal, grey
2001-1292	End- and intermediate plate for 2-conductor terminal, orange
2001-1391	End- and intermediate plate for 3-conductor terminal, grey
2001-1392	End- and intermediate plate for 3-conductor terminal, orange
2001-1491	End- and intermediate plate for 4-conductor terminal, grey
2001-1492	End- and intermediate plate for 4-conductor terminal, orange
209-190	Dividing plate Ex e/Ex i, 90 mm 2-conductor terminal
209-191	Dividing plate Ex e/Ex i, 120 mm, 2 conductor terminal
209-101	End angle
249-197	End clamp 14mm
249-117	End clamp 10 mm
249-116	End clamp 6 mm
2001-402	Comb type jumper bar, light grey, insulated, 2-way
2001-403	Comb type jumper bar, light grey, insulated, 3-way
2001-404	Comb type jumper bar, light grey, insulated, 4-way
2001-405	Comb type jumper bar, light grey, insulated, 5-way
2001-406	Comb type jumper bar, light grey, insulated, 6-way
2001-407	Comb type jumper bar, light grey, insulated, 7-way
2001 408	Comb type jumper bar, light grey, insulated, 8-way
2001-409	Comb type jumper bar, light grey, insulated, 9-way
2001-410	Comb type jumper bar, light grey, insulated, 10-way
2001-433	Comb type jumper bar, light grey, insulated, 1 to 3
2001-434	Comb type jumper bar, light grey, insulated, 1 to 4
2001-435	Comb type jumper bar, light grey, insulated, 1 to 5
2001-436	Comb type jumper bar, light grey, insulated, 1 to 6
2001-437	Comb type jumper bar, light grey, insulated, 1 to 7
2001-438	Comb type jumper bar, light grey, insulated, 1 to 8
2001-439	Comb type jumper bar, light grey, insulated, 1 to 9
2001-440	Comb type jumper bar, light grey, insulated, 1 to 10

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