


## Spring-Cage Feed-Through Terminal Blocks STS

<b>Article description</b>	<b>STS 2,5-TWIN *</b>
Article no.	3031720 *
<b>EC-TYPE EXAMINATION CERTIFICATE IECEX-CERTIFICATE</b>	<b>PTB 07ATEX1027 U *</b> <b>IECEX PTB 07.0024 U *</b>
Marking	 Ex eb IIC PTB 07ATEX1027 U IECEX PTB 07.0024 U
Assembly on mounting rails	NS 35 acc. to EN 60715-TH 35
Stripping length	10 mm
Assembly instructions	See page 2
Operating temperature range	-50 °C ... +110 °C



### Technical data according to IEC/EN 60079-7 (increased safety „e“)

Rated insulation voltage	500 V	
Rated voltage	550 V	
Nominal current	21 A	
Max. current	25,5 A**	
<b>Connection capacity</b>		
Rated cross-section	2,5 mm <sup>2</sup>	AWG 14
Max. conductor cross-section	4 mm <sup>2</sup>	AWG 12
Connectable conductor cross-section	0,08 - 4 mm <sup>2</sup> rigid	AWG 28 - 12
	0,08 - 2,5 mm <sup>2</sup> flexible	AWG 28 - 14

### Data of insulation material

Description	PA 6.6	
Creep resistance acc. to IEC 60112 / material group	CTI 600 / I	

Accessories	Description	Article no.	
Cover	D-ST5 2,5	3031762	
Partition plate	ATP-ZFK 2,5/4	3003981	
Jumper	FBS 2-5	3030161	Max. 21 A / 2,5 mm <sup>2</sup> Max. 25 A / 4 mm <sup>2</sup>
	FBS 3-5	3030174	
	FBS 4-5	3030187	
	FBS 5-5	3030190	
	FBS 10-5	3030213	
	FBS 20-5	3030226	

\* valid for colour variants

\*\* The max. load current must not be exceeded by the total current of all connected conductors!

### Important assembly instructions – increased safety „e“

The Terminal Blocks are suitable for use in enclosures in atmospheres with flammable gases or combustible dust. For flammable gases these enclosures must satisfy the requirements according to IEC/EN 60079-0 and IEC/EN 60079-7. For combustible dust these enclosures must satisfy the relevant requirements according to IEC/EN 60079-31.

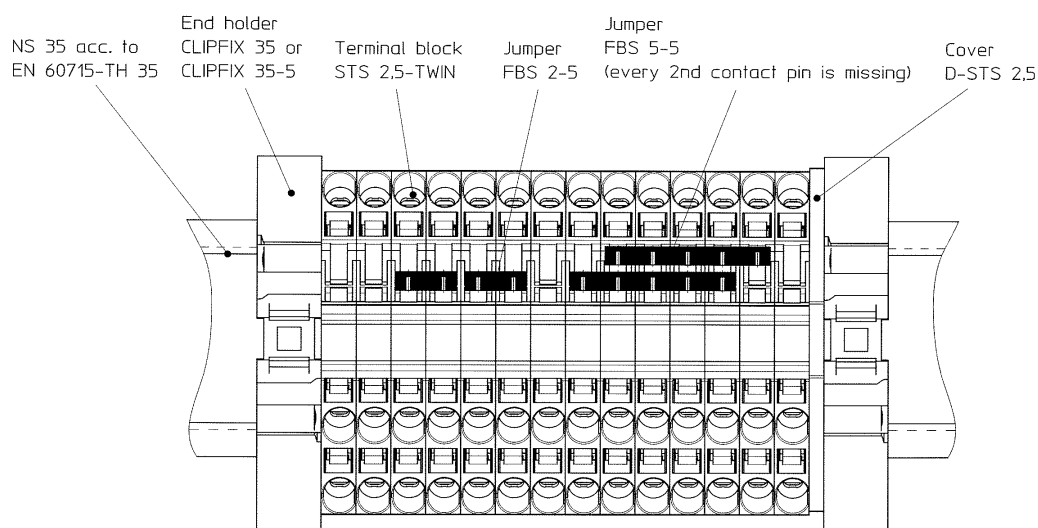
When assembling with other certified series and sizes of terminal blocks and using accessories designed for the purpose, the required creepage distances and clearances have to be observed.

When using the jumpers to achieve a skipped bridging the rated voltage is reduced to 352 V.

If conductors with smaller cross section than the rated cross section are used, the assigned lower current has to be specified in the EC-Type Examination Certificate of the complete apparatus.

The Terminal Blocks may be used, based on the self-heating when used at the nominal current and at ambient temperatures of -50 °C to +40 °C at the mounting position in electrical apparatus, e.g. junction and connection boxes, for temperature class T6. When the Terminal Blocks are used in electrical apparatus of temperature classes T1 up to T5, the highest temperature of the insulating material shall not exceed the maximum value of the operating temperature range.

The Terminal Blocks and their appropriate accessories have to be assembled as specified below.



**Attestation of Conformity**

The above mentioned product is in line with the provisions of the below marked directive and their modification directive(s):

2014/34/EU                      ATEX Directive

Compliance with Essential Health and Safety Requirements has been assured by compliance with:

EN 60079-0:2006  
IEC 60079-0:2004

EN 60079-7:2007  
IEC 60079-7:2006

*Current edition:*<sup>\*)</sup>

EN 60079-0:2012  
IEC 60079-0:2011

EN 60079-7:2007  
IEC 60079-7:2015

The conformity with the provisions of the ATEX directive were certified by

Notified Body:                      PHYSIKALISCH-TECHNISCHE BUNDESANSTALT

Address:                                Bundesallee 100, 38116 Braunschweig, Germany                      [Ident.-No.: 0102]

Certificate:                            PTB 07ATEX1027 U, 2007-09-26  
(No., Date)

\*) With the exception of the EPL marking, the minor respectively formal changes of the new edition of the mentioned standards do not affect the EHSRs. Consequently the terminal blocks still comply with the relevant requirements of the ATEX Directive.

Blomberg, 2016-04-20




i. A. Gerhard Leßmann  
Business Unit Industrial Cabinet  
Connectivity  
Ex-Representative



Klaus Firschke  
Business Unit Industrial Cabinet  
Connectivity  
Head of Product Marketing

This attestation certifies the conformity with the indicated directive, it does not, however, covenant any characteristics.  
The instructions for safety and installation have to be observed.

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