

## Terminal Blocks KL-... 400 Volt 1.5/2.5 mm<sup>2</sup>

### Type of Explosion

#### Protection:

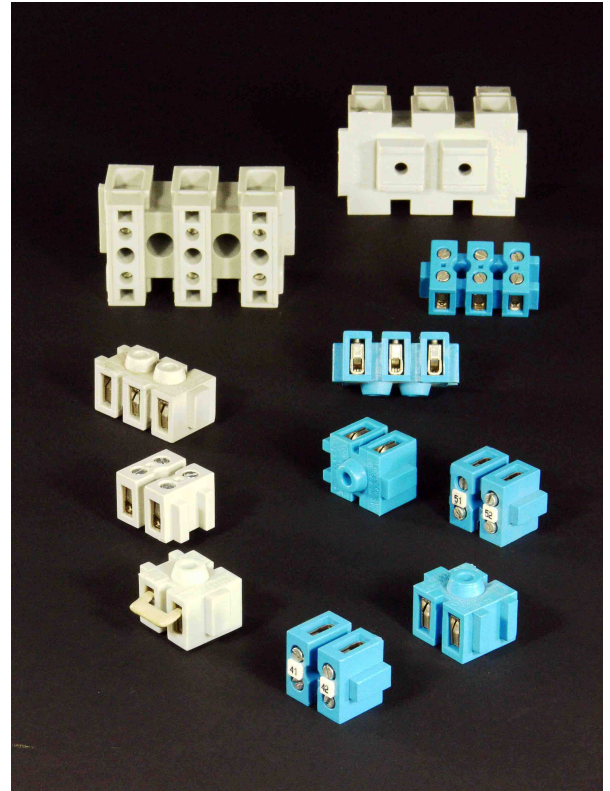
 I M2 Ex e I

#### EC-Type Examination Certificate:

IBExU 02 ATEX 1095 U

### Description

- 2- and 3-pole miniature terminal blocks are used for connection of conductors with cross-sections of 0.5 to 2.5 mm<sup>2</sup>
- May be added up in order to attain any required number of poles
- Very compact design
- Can be installed directly on metallic ground
- The non-detachable screws M3 are supplied with the terminals
- Have to be installed at least in IP 54-enclosures, as protection against humidity, for example



### Technical Specifications

#### **Rated Voltage / Amperage**

400 V / 16A

#### **Rated Cross-Section**

 0.5 – 1.5 mm<sup>2</sup> flexible conductor  
 0.5 – 2.5 mm<sup>2</sup> solid/stranded conductor

#### **Admissible Temperature (depending on plastic)**

 -65°C to 85°C  
 -20°C to 100°C  
 -65°C to 120°C  
 -65°C to 130°C

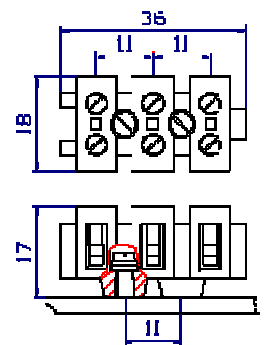
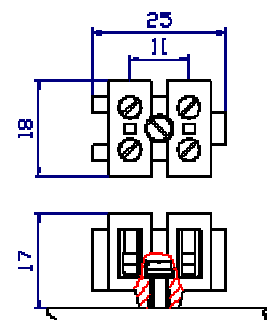
#### **Insulating Cage**

 Plastic – grey  
 (for Ex I applications – blue)

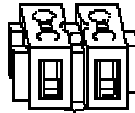
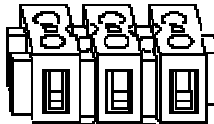

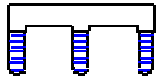





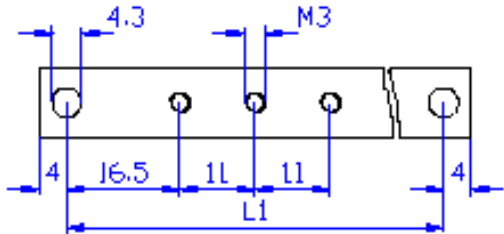
#### **Conductive Block**

Non-corrosive copper alloy

#### **Installation**

 With special screw(s) M 3  
 (incl. spring and locking washer),  
 centre-to-centre mounting hole  
 interval 11 mm

**KL-3-25-400**

**KL-2-25-400**

**Accessories**

Component:	Ordering Code:	
Terminal Block, 2-pole, grey Terminal Block, 2-pole , blue	KL-2-25-400-e KL-2-25-400-i	
Terminal Block, 3-pole, grey Terminal Block, 3-pole , blue	KL-3-25-400-e KL-3-25-400-i	
Insertable Bridge, 2-pole	KL-B2-25-400	
Insertable Bridge, 3-pole	KL-B3-25-400	
Rotation Lock 1 (for single 2-pole terminal block)	KL-VDS1-25-400	
Rotation Lock 2 ( for single 2-pole terminal block )	KL-VDS2-25-400	
Clip-On Label, blank (packing unit 100 pcs.)	KL-M-25-400	
Clip-On Label, with imprints 0-999 (numbers, letters and symbols) (packing unit 100 pcs. with identical imprints)	KL-MB-25-400-...	
Fillister-Head Screw with spring and locking washer	KL-ZKS3-25-400	
Rail 10 x 3 mm with holes for fixing of rail and tapped holes for fixing of terminal blocks  $L1 = 11 \times \text{number of terminal blocks} + 11 \text{ mm}$  Ordering Code:  Rail, plain: Rail, with terminal blocks:	Typ: KL-TS-25-380    Give length L1 and number of tapped holes. Give length L1 and number of terminal blocks.	

<b>Terminal Blocks KL-...</b>	<b>1000 Volt 2.5/4 mm<sup>2</sup></b>
	<b>1000 Volt 10/16 mm<sup>2</sup></b>

**Type of Explosion**

**Protection:**  
**EC-Type Examination**  
**Certificate:**

 I M2 Ex e I  
 I BExU 02 ATEX 1095 U



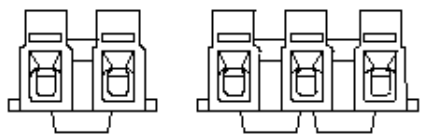
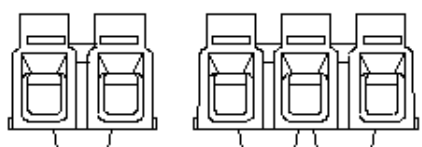
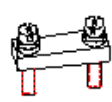
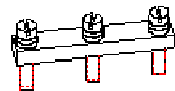
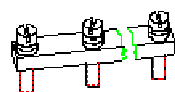




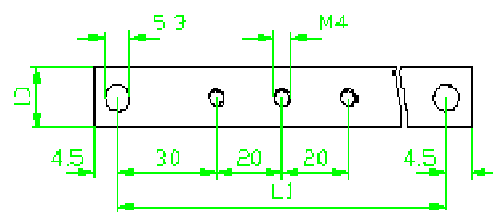
**Description**

- Possible conductor cross-sections from 0.5 to 16 mm<sup>2</sup>
- Very compact design – the terminal blocks may even be applied within narrow enclosures
- Possible installation with standard fillister-head screws and appropriate spring washers directly on metallic ground or on rails 10 x 5 mm
- Installation inside enclosures of at least IP 54

**Technical Specifications**

<b>Rated Voltage</b>	1000 V
<b>Rated Cross-Section</b>	<u>4 mm<sup>2</sup></u> 0.5 – 2.5 mm <sup>2</sup> flexible conductor 0.5 – 4 mm <sup>2</sup> solid/stranded conductor  <u>16 mm<sup>2</sup></u> 0,5 – 10 mm <sup>2</sup> flexible conductor 0,5 – 16 mm <sup>2</sup> solid/stranded conductor
<b>Admissible Temperature (depending on plastic)</b>	-65°C to 85°C -20°C to 100°C -65°C to 120°C -65°C to 130°C
<b>Insulating Cage</b>	Plastic – grey (for Ex I applications – blue)
<b>Conductive Block</b>	Non-corrosive copper alloy
<b>Installation</b>	With fillister-head screw M 4 and spring washer B 4 Centre-to-centre mounting hole interval 20 mm
<b>Weight</b>	<u>4mm<sup>2</sup></u> 2-pole: 31 g 3-pole: 48 g <u>16mm<sup>2</sup></u> 2-pole: 50 g 3-pole: 77 g

**Accessories**

Component	Ordering Code	
Terminal Block, 2-pole, 4 mm <sup>2</sup> do., ( 100 °C ) Terminal Block, 3-pole, 4 mm <sup>2</sup> do., ( 100 °C )	KL-2-40-1000 KL-2-40-1000-1 KL-3-40-1000 KL-3-40-1000-1	
Terminal Block, 2-pole, 16 mm <sup>2</sup> do., ( 100 °C ) Terminal Block, 3-pole, 16 mm <sup>2</sup> do., ( 100 °C )	KL-2-160-1000 KL-2-160-1000-1 KL-3-160-1000 KL-3-160-1000-1	
Bridge, 2-pole 2.5/4 mm <sup>2</sup> Bridge, 2-pole 10/16 mm <sup>2</sup>	KL-B2-40-1000 KL-B2-160-1000	
Bridge, 3-pole 2.5/4 mm <sup>2</sup> Bridge, 3-pole 10/16 mm <sup>2</sup>	KL-B3-40-1000 KL-B3-160-1000	
Bridge, n-pole 2.5/4 mm <sup>2</sup> Bridge, n-pole 10/16 mm <sup>2</sup>	KL-Bn-40-1000 KL-Bn-160-1000	
Rotation Lock 1 (for single 2-pole terminal block)	KL-VDS1-40-1000 KL-VDS1-160-1000	
Rotation Lock 2 (for single 2-pole terminal block)	KL-VDS2-40-1000 KL-VDS2-160-1000	
Clip-On Label, blank (packing unit 100 pcs.)	KL-M-40-1000 KL-M-160-1000	
Clip-On Label, with imprints 0-999 (numbers, letters and symbols)  (packing unit 100 pcs. with identical imprints)	KL-MB-40-1000-... KL-MB-160-1000-...	
Rail 10 x 5 mm with holes for fixing of rail and tapped holes for fixing of terminal blocks  L1 = 20 x (number of terminal blocks) + 20 mm  Ordering Code:  Rail, plain: Rail, with terminal blocks:	Typ: KL-TS-40-1000    Give length L1 and number of tapped holes. Give length L1 and number of terminal blocks .	