

Terminal Blocks KL--40-1000 1000 V 2.5 / 4 mm²

EC Type Examination Certificate: IBExU 02 ATEX 1095 U + 1. addition

Type of Explosion Protection:  I M2 / II 2G Ex e I/II

Technical Specifications

Rated voltage: 1000 V
 Rated current: 30 A
 Rated cross section: 2.5 / 4 mm²
 Minimum cross section: 0.5 mm²
 Connectable cross sections: · 1 flexible conductor up to 2.5 mm²
 · 1 solid/stranded conductor up to 4 mm²
 · max. 2 conductors in shared cable end sleeve,
 each up to 1.5 mm²

Temperature range: - 65 °C to + 130 °C (depending on type of plastic of insulating cage)

Dimensions: 40/60 x 35 x 32.5 mm

Positioning: any

Mounting and Connection

The terminal blocks of type KL--40-1000 may be installed in any position, however, they have to be installed inside an enclosure of any type of protection, e.g. “increased safety”. The installation has to be especially verified according to the type of protection.

When installing a single 2-pole terminal block, in addition, a turning protector has to be applied in order to prevent self-loosening of the fastening screw. This turning protector is deleted in case the terminal block is fixed on the accessory mounting rail or if several 2-pole terminal blocks are lined up.

At each terminal one conductor may be connected. If two conductors with a maximum cross section of 1.5 mm² each are joined within a shared cable end sleeve this joining is viewed as one conductor. Junctions of different poles may be achieved by means of the accessory screwable cross jointers.

The terminal blocks, depending on their allowed operating temperature, are marked by colour:

light-grey and light-blue	→	- 65 °C to + 85 °C
signal-white	→	- 20 °C to + 100 °C
patina-green	→	- 65 °C to + 120 °C
red-brown	→	- 65 °C to + 130 °C