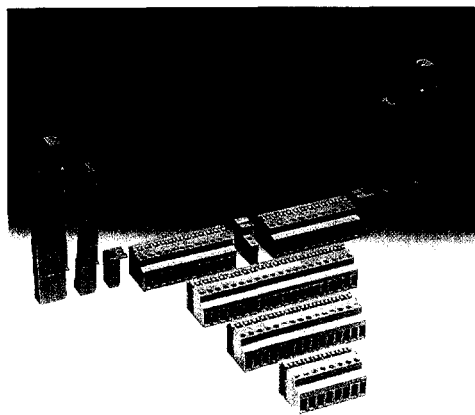


Plug-In Card Blocks, SKBD

This plug-in card block is used wherever printed circuits should be easily replaceable for servicing purposes. The plug-in card block can be mounted like switchgear directly on the base via guide elements which are arranged on both sides. The external connections are clamped with screw connections, and the printed circuit board makes contact with the fork springs according to the direct plug-in principle.

The insulation housing is designed as a one-piece block with a base plate.



Housings with numbers of positions between 8 and 24 are available. Higher numbers of positions can be achieved by combining elements. The pitch is 5 or 5.08 mm. Insulation distances are dimensioned for 400 V~ in accordance with IEC 664/IEC 664 A/DIN VDE 0110 surge voltage category II/contamination class 2.

The metal part reliably clamps connection conductors up to 2.5 mm² rigid. The clamping unit and fork spring are manufactured in one piece to prevent internal contact resistances.

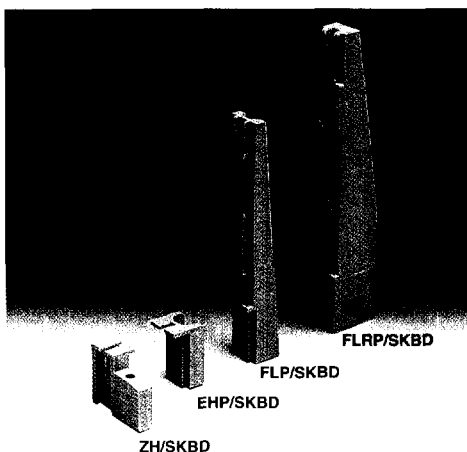
There are two metal-component versions:

1. Without solder pins for direct mounting on any mounting surface, and
2. With solder pins leading downwards. This is necessary if the block is mounted on a base p.c.b. and all metal parts or individual metal parts are soldered.

On request, the plug-in card block SKBD is also available with special metal components.

The block can be installed on the mounting surface:

- with the low end brackets EHP/SKBD for short blocks,
- with the guide rails FLP/SKBD for medium-sized printed circuit boards,
- with the reinforced guide rails FLRP/SKBD with engagement catch to prevent loosening in the case of large and heavy printed circuit boards. The engagement catches can be locked in the end position to help remove the printed circuit board.
- with the 5 mm wide intermediate brackets ZH/ acting as an intermediate support for adjacent housings.

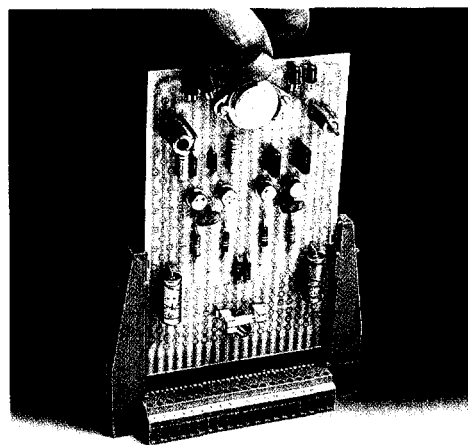


Coding is done with thin coding plates which can be subsequently inserted from above between two adjacent metal parts. A slot of 1 mm width must be provided in the printed circuit board.

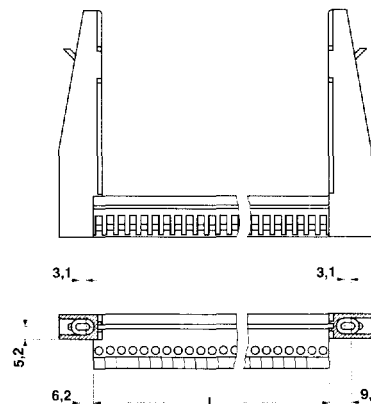
Consecutive numbers are already stamped on the lower of the two inclined labeling areas and can, if required, be covered or emphasized with the aid of the white, self-adhesive marking labels SK 5.

PC quick assembly set

In order to be able to configure electronic circuits more quickly and accurately, the printed circuit board P 20-1 is available for the 20-position SKBD 20/MT. Together, the two elements form a practical electronic assembly unit. This can be used, for example, to test new circuits in a laboratory or to integrate a group of electronic components in control systems without difficulty.



The universal printed circuit board is tailor-made for practical electronic applications. It has 8 transistor positions, each with interrupted conducting paths for base and load resistors, and 4 soldering points for all common types of potentiometers. This makes it unnecessary to scratch off unwanted conductors.



Description	Number of positions	Dim. L [mm]
Printed circuit board quick assembly set , consisting of SKBD 20/MT, with all components mounted, including FLRP	20	100
Printed circuit board, for 5.0 mm pitch , European format 100 x 160 mm with universal printed conductor pattern	20	—
Plug-in card block, 5.0 mm pitch , with all components mounted, but without guide rails or end brackets	8 9 10 12 13 14 15 16 18 20	40 45 50 60 65 70 75 80 90 100
Plug-in card block, 5.08 mm pitch , with all components mounted, but without guide rails or end brackets	8 9 10 12 13 14 15 16 18 20 22 24	40.64 45.72 50.80 60.96 66.04 71.12 76.20 81.28 91.44 101.60 111.76 121.92

- (1) End bracket pair, for mounting small blocks fixing hole 3.1 mm ∅
- (2) Pair of guide rails, 80 mm high, fixing hole 3.1 mm ∅
- (3) Pair of guide rails, reinforced design with engagement catch, 100 mm high, fixing hole 3.1 mm ∅
- (4) Intermediate brackets, for intermediate mounting of adjacent SKBD, 5 mm wide, fixing hole 3.1 mm ∅
- (5) Coding plate, for coding at a later date, inserted between two positions, slot in the p.c.b.: 1 mm, color: red

Marker card SK 5, see page 232

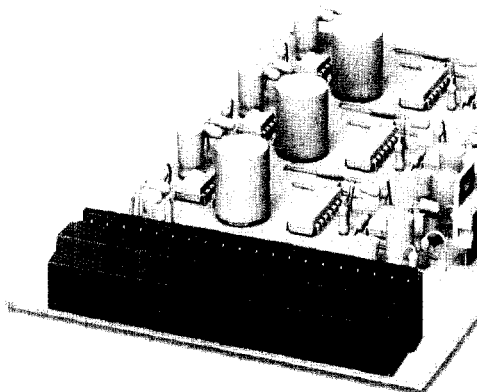
Note:

If required, the plug-in card block SKBD is also available with an individual metal-part configuration, i.e. for higher voltages or special series. More details upon request.



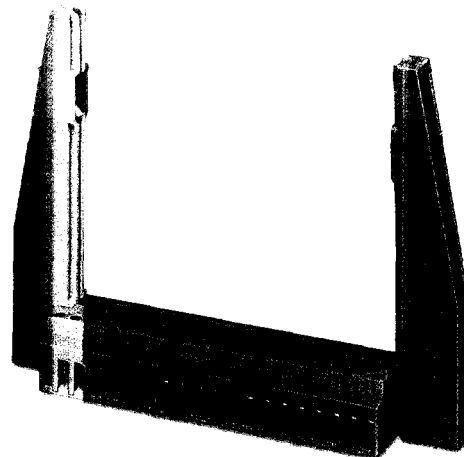
SKBD.. /MT

without solder pins



SKBD.. /MT2L

with solder pins



PC Quick Assembly Set

20-position block with reinforced guide rails,
without solder pins

Pitch 5.0 or 5.08

(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
-----------------------------	----------------	----------------------	-----	----------	----------

Connection data 0.2-2.5 0.2-1.5 24-14 5¹⁾ 400

¹⁾ Applies to gold-plated contacts of the p.c.b.

Further technical data, see page 277.

Pitch 5.0 or 5.08

(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
-----------------------------	----------------	----------------------	-----	----------	----------

Connection data 0.2-2.5 0.2-1.5 24-14 5¹⁾ 400

¹⁾ Applies to gold-plated contacts of the p.c.b.

Further technical data, see page 277.

5.0 pitch

(IEC) [mm ²]	rigid solid	flexible stranded	AWG	I [A]	U [V]
-----------------------------	----------------	----------------------	-----	----------	----------

Connection data 0.2-2.5 0.2-1.5 24-14 5¹⁾ 400

¹⁾ Applies to gold-plated contacts of the p.c.b.

Further technical data, see page 277.



Type

Order No.

Pcs.
Pkt.



Type

Order No.

Pcs.
Pkt.

Type

Order No.

Pcs.
Pkt.

SKBD 8/MT
SKBD 9/MT
SKBD 10/MT
SKBD 12/MT
SKBD 13/MT
SKBD 14/MT
SKBD 15/MT
SKBD 16/MT
SKBD 18/MT
SKBD 20/MT

22 02 54 7 10
22 02 55 0 10
22 02 56 3 10
22 02 57 6 10
22 02 58 9 10
22 02 59 2 10
22 02 60 2 10
22 02 61 5 10
22 02 62 8 10
22 02 63 1 10

SKBD 8/MT2L
SKBD 9/MT2L
SKBD 10/MT2L
SKBD 12/MT2L
SKBD 13/MT2L
SKBD 14/MT2L
SKBD 15/MT2L
SKBD 16/MT2L
SKBD 18/MT2L
SKBD 20/MT2L

22 02 64 4 10
22 02 65 7 10
22 02 66 0 10
22 02 67 3 10
22 02 68 6 10
22 02 69 9 10
22 02 70 9 10
22 02 71 2 10
22 02 72 5 10
22 02 73 8 10

SKBD 20/MT-FLRP

22 02 50 5

10

P 20-1

22 04 07 9

5

Technical data of the printed circuit board P 20-1

Base material: epoxy glass filament fabric

1.5 mm thick

Format: 100 x 160 mm

Bore holes: 1.3 mm Ø, in accordance with

IEC 326-3/DIN IEC 326-3

Copper plating: 35 µm

Contacts: 2 µm gold on 5 µm nickel

Contact resistance: from conductor connection to
conductor path: 5 mΩ

Current carrying capacity: 5 A

SKBD 8/MT-5,08
SKBD 9/MT-5,08
SKBD 10/MT-5,08
SKBD 12/MT-5,08
SKBD 13/MT-5,08
SKBD 14/MT-5,08
SKBD 15/MT-5,08
SKBD 16/MT-5,08
SKBD 18/MT-5,08
SKBD 20/MT-5,08
SKBD 22/MT-5,08
SKBD 24/MT-5,08

22 05 08 1 10
22 05 09 4 10
22 05 10 4 10
22 05 12 0 10
22 05 13 3 10
22 05 14 6 10
22 05 15 9 10
22 05 16 2 10
22 05 18 8 10
22 05 20 1 10
22 05 22 7 10
22 05 24 3 10

SKBD 8/MT2L-5,08
SKBD 9/MT2L-5,08
SKBD 10/MT2L-5,08
SKBD 12/MT2L-5,08
SKBD 13/MT2L-5,08
SKBD 14/MT2L-5,08
SKBD 15/MT2L-5,08
SKBD 16/MT2L-5,08
SKBD 18/MT2L-5,08
SKBD 20/MT2L-5,08
SKBD 22/MT2L-5,08
SKBD 24/MT2L-5,08

22 06 08 0 10
22 06 09 3 10
22 06 10 3 10
22 06 12 9 10
22 06 13 2 10
22 06 14 5 10
22 06 15 8 10
22 06 16 1 10
22 06 18 7 10
22 06 20 0 10
22 06 22 6 10
22 06 24 2 10

EHP/SKBD

22 04 11 8

20

EHP/SKBD

22 04 11 8

20

FLP/SKBD

22 04 12 1

10

FLP/SKBD

22 04 12 1

10

FLRP/SKBD

22 04 13 4

10

FLRP/SKBD

22 04 13 4

10

ZH/SKBD

22 04 16 3

50

ZH/SKBD

22 04 16 3

50

CS/SKBD

22 04 14 7

100

CS/SKBD

22 04 14 7

100

