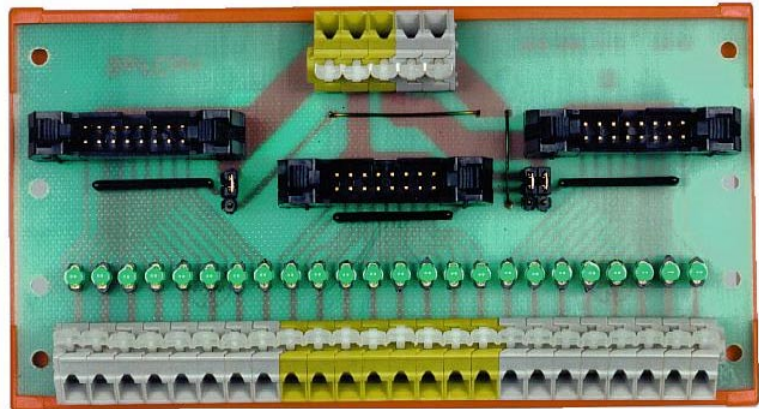


**Connector Terminal Blocks and
Adapters
PX07
Adapter Module 24 pin with Indication**



15.6

- Coupling terminal box—
adapter for 24 terminals to self-
stripping connectors
- Connecting signals up to 50V
- Signal indication with LEDs



Basic Characteristic

The module is used as a coupling terminal box between a control system and its environment, allowing the indication of signals with lights. Signals are electrically unaltered, only loaded with the current necessary to illuminate the LEDs if an indication is used. Signals may be passive (contact, resistance) or active (voltage, current). If passive signals are to be indicated, an external power supply must be used for the LEDs. Indication LEDs and their working resistors are in sockets. If signals (e.g. analog) may not be affected, the LEDs must not be fitted. The module is configured for the required connection of input and output circuits using the JP1, JP2, JP3 jumpers and by the orientation of LEDs in sleeves. The operating voltage is modified by changing the working resistors. When a light indication is used, the module can only be used in direct-current circuits. When used in alternate-current circuits, the LEDs must be removed from their sleeves.

The circuits are divided into 3 identical sections with 8 signals each. The odd pins of X1, X2, X3 input connectors are interconnected and terminated on the COM1, COM2, and COM3 connector terminals of each section. The LED terminals are used to connect the external power supply for indication LEDs, which is common for all three sections. The JP1, JP2, JP3 jumpers allow selecting the power supply for the LEDs from the COM1, COM2, COM3 or LED terminals.

The module is built on a printed circuit board. It is supplied with a mounting frame for mounting on a DIN rail TS35 as standard. It can also be supplied without the frame with plastic clips for the rail, or just with mounting holes. The module is not encased and should not be connected to mains voltage.

Technical data

Number of connector terminals	24 (3 x 8)	Electric strength	500 V
Power supply for indication	24 V DC $\pm 10\%$ *)	Ambient working temperature	0 to +70 °C
Input current with LED switched on	2 mA	Dimensions	140 x 75 x 54 mm
Rating capacity of a single connector terminal	1 A	Connector terminals	press, conductor 0,15 to 2,5 mm ²
Summary current in one section	max. 4 A		

*) Optionally other (direct only)

Ordering information

The basic model of PX07 is fitted with a mounting frame, without any accessories.

Please specify any special features in your order, such as:

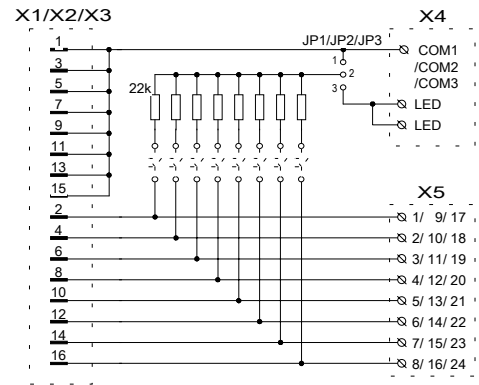
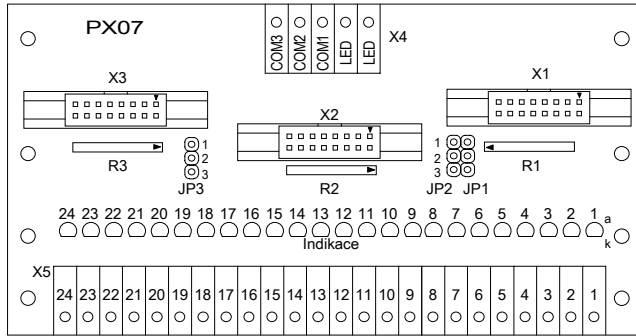
PX03 without mounting frame,with clips

Operating voltage 48V DC

Specify accessories:

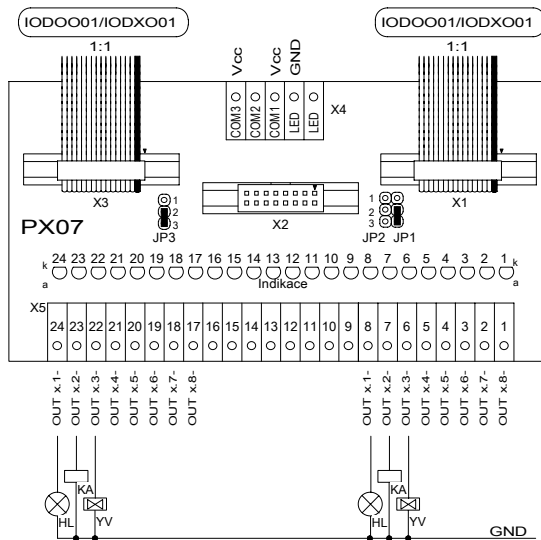
3 pcs PFL16 connector

Location of Connector terminals and Wiring

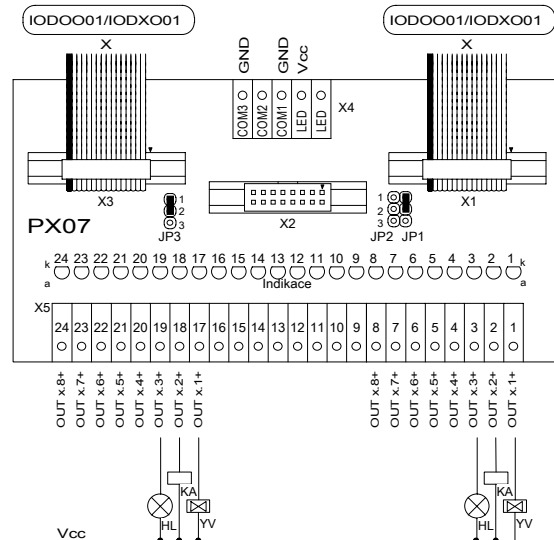


Connection of Inputs and Outputs to a KITV40 Control System using the PX07 Adapter Module

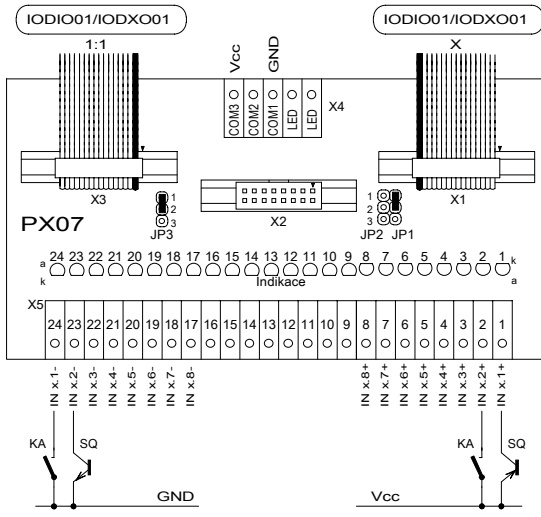
According to the settings of the JP1, JP2, JP3 jumpers and the orientation of LEDs in sockets, connector terminal box X5 allows the connection of both inputs and outputs, both in connection with the common minus pole and in connection with the common plus pole of the power supply; see the pictures below. For inputs, each eight inputs can be configured either as inputs with common minus or with common plus, because the LEDs are supplied from connector terminals COM1,2,3. For outputs, if the functionality of the LEDs is to be preserved, there is no such possibility and the entire board can only be configured for outputs with the same connection, as the LEDs are supplied from the LED terminals. PX07 adapter modules are connected to the IO expansion cards of control system digital inputs and outputs by a flat cable in 1:1 arrangement (connection with common minus) or with crossed wires (connection to common plus). The X2 connector is unused here only for clarity reasons.



Input connection with common minus



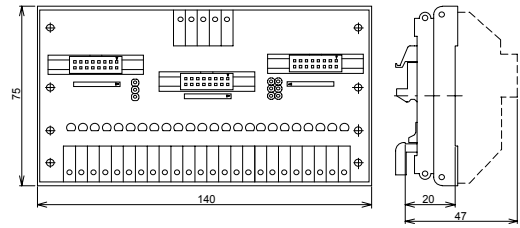
Output connection with common plus



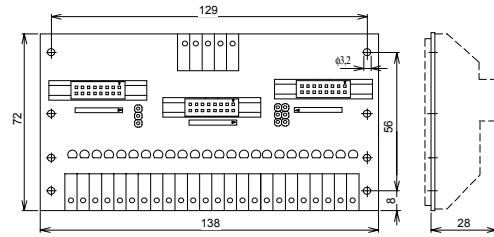
Input connection with common minus and plus

6.9.2000

Mounting frame



Version with a mounting frame



Version without a mounting frame