Data transmission module

MK-16BW-01

Modern programmable systems and processors

Technologically advanced materials and manufacturing technology

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Multiple-layer prints with automatic surface mounting

Work in stationary and field conditions

Strong and durable construction

MK-16BW-01 modules are intended to be mounted inside the digital devices of telecommunications systems, having the 3U cassette type with a proper bus. MK-16BW-01 have a possibility to work in one of two modes:

- work in the mode of MK-16A, with a basic channel of 16 kbps speed rate;
- work in the mode of MK-64, with a basic channel of 64 kbps speed rate.

MK-16B enables to use a digital telecommunications system by single computers (e.g. IBM-PC type), local networks, multi-available systems or other IT devices having a RS232C interface and ensuring the point-to-point data transmission between the above presented IT devices.

MK-16B devices are intended to be installed in digital devices of telecommunications systems, in mobile and stationary objects of automated workplaces of functional persons and in objects of automated command and control systems, using the digital telecommunications system.

MK-16B connects by the line side, by means of two-wire cable line, to:

- the multiplexer of the STORCZYK system (e.g. KX-30A, KX-30M), equipped with interface packages supporting subscriber digital lines, in the case of work in the mode of MK-16A;
- the multiplexer KX-30/PCM (KX-30/PCM8, KX-30/PCM/P, KX-30/PCM/P2), equipped with KPC packages, in the case of work in the mode of MK-64.

One pair of multi-pair subscriber cables may be used as a cable line. The telecommunications range depends on the parameters of line.

On the station side MK-16B cooperates with IT means by serial interface of V.24 CCiTT type (RS232C). In MK-16B there is no data compression, however, the block error correction may be active.

In order to set work parameters of MK-16B, it is possible to connect the control panel PO-16.

TECHNICAL PARAMETERS

BASIC FUNCTIONALITIES

Possibility of operation in the mode of the devices: MK-16A and MK-64

Possibility of installation in a modem 3U cassettes – high density of modules in small space

Simple operations and identification of status and errors

Automatic connection of computer subscribers of the system by means of commands of the Hayes standard - MK-16A mode type

Data transmission in an asynchronous mode

Data transmission in an asynchronous mode with a block error correction

Channel quality measurement – MK-16A operation mode

Manual (by a keyboard) combination of connection and giving the link to the devices, which do not have the implemented Hayes protocol – MK-16A operation mode

Data transmission in a synchronous mode with the speed rate of 16, 32, 64 kbps (MK-16A operation mode) or 64 kbps (MK-64 operation mode)

Data transmission in a synchronous mode with a block error correction with the speed rate of around 9600 bps (manual combination of the link) – MK-16A operation mode

MANAGEMENT WITH PC

Transmission speed	1200, 2400, 4800, 9600 or 19200 bps
Range	depending on a type of lines:
	from 0 to 5 km (in the MK-16A mode) - 16 kbps
	from 0 to 3 km (in the MK-64 mode) - 64 kbps

CONNECTORS

Connector of the bus of 881096 type	Supply to the package, RS-232C interface, subscriber line
DBML25SF connectors	RS-232C contact, PO-16, subscriber line

POWER SUPPLY

Power supply	+5 V DC(+5%) from the bus of the device, in which it is installed
Power consumption	< 1 W

OTHER TECHNICAL PARAMETERS

Dimensions (HxW)	206x130 mm
Weight	<1,20 kg
Mechanical and climatic classification	Group N.4-UZ-II (A and B) acc. NO-06-A101÷108 (MIL-STD-810G compliant) (multi-use and continuous use equipment)
Electromagnetic compatibility	NO-06-A200: (MIL-STD-461F compliant) KRE-02, KCE-02, KRS-02, KCS-01, KCS-06
Operating temperature	From -10°C to +55°C
Storage temperature	From -40°C to +60°C
Humidity resistance	95-98% at +25°C

The mentioned parameters are non-binding specification. Transbit sp. z o.o. reserves its right to change technical parameters of the product without notice.