

Flameproof Computer MDJ7001

CE 1453

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KDB 11ATEX050X



The flameproof MDJ7001 computer is a device that is meant for the visualization of technological processes carried out by automation systems in the underground areas of mining operations. It is capable of communicating with PLC controllers, in particular with intrinsically safe controllers of the MDJ315-2DPEX, ET2000Ex and MDJ6001 types.

Typically, depending on the uploaded software, the controller supports such interfaces as Ethernet, Profibus, MPI, Modbus RTU or others. It is furnished with a 19" colour display, vibration-resistant central unit with a fast SSD disc, single-mode and multi-mode optic fibre ports as well as with an intrinsically safe RS485 port.

The computer enclosure has two connection chambers that are meant for the connection of communication cables (fibre optic or copper ones). The device is operated with use of an external, intrinsically safe keyboard.

Technical data:

Lp		Parameters
1.	Power voltage:	42V - 230VAC, 24VDC
2.	Power consumption: ok. 70 W	about. 70W
3.	Number of single-mode fibre optic ports:	max 4
4.	Number of multi-mode fibre optic ports:	max. 2
5.	Number of intrinsically safe RS485 ports:	max. 4
6.	Overall dimensions: MDJ 7001 MDJ 7001a	770 x 440 x 267 mm 770 x 440 x 270 mm
7.	Weight:	about 100 kg
8.	Range of ambient temperature:	0 ÷ +40°C
9.	Protection class of the main chamber:	IP65
10.	Protection class of the connection chambers:	IP54
11.	Protection class of the pushbutton module:	IP54
12.	Processor:	Intel 2 GHz-2,4 GHz
13.	RAM memory:	4GB -8GB DDR2-533
14.	HDD:	120 GB SSD
15.	Display:	LCD 19" colour (1920x1200)
16.	Operation system:	Win XP Pro, Win 7 Pro, Linux