T MACHINERY
CZECH REPUBLIC

INSTRINSICALLY SAFE COMPUTER VS2EX

The computer is designed for control, visualization, parameterization machines or equipments and communication with others intrinsically safe circuits in explosive environments for example mines or gas station.

The product consists of embedded computer, display, control buttons and external communication ports. The complete electronics are housed on a single PCB and are partially encapsulated in casting compound.

The entire device is housed in a steel enclosure. The color LCD display is located behind the protective glass.
All connectors are waterproof.

Internal configuration:
CPU: NXP i.MX535 ARM Cortex A8 1.0GHz
RAM: 1GB DDR3-800 SDRAM
Flash: 256MB NAND
SD: microSDHC 32GB, non-exchangeable
OS: Linux 3.12.13, Arch Linux, Qt 4.8
Internal temperature monitoring
Backup Real Time Counter

Front design:
7,0" TFT LCD, 800×480
6× vandal proof buttons
1× USB 2.0 A

Rear connection:
2× CAN 2.0B
1× RS485
1× Ethernet 10/100Mbps (RJ45)

Power supply: I.S. 12V DC/ 6W (Ui=13,2V, Ci=20nF, Li=20nH, connectable to the three connectors Amphenol C016)
Protection by enclosure: IP54
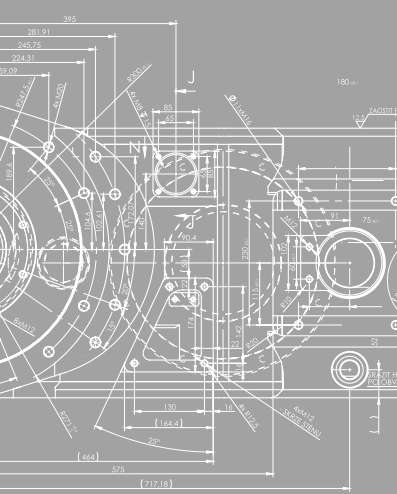**Ambient temperature:** -20 – +60°C
Dimensions: 290×210×100mm
Weight: 4kg

Marking of the product:

⟨Ex⟩ **I M1 Ex ia I Ma**
⟨Ex⟩ **II 1G Ex ia IIA T4 Ga**

FTZÚ 18 ATEX 0001X

Baťovka 1285
696 02 Ratíškovice
Česká republika

+420 518 391 511 [CS]
+420 518 391 607 [RU]
+420 518 391 526 [EN]
+420 518 391 590 [DE]
export@tmachinery.cz

WWW.TMACHINERY.CZ