



Picture: pm3.1/ze/kb Underground PC Keyboard/Mouse

The intrinsically safe keyboard pm3.1/ze/kb with integrated mousepad is designed as an operator interface for the underground computer pm3.1/ze. The keyboard consists of a standard PC keyboard (with German keypad) and a touchpad. The hermetically sealed housing enables applications in harsh environments. The steel frame and bottom plate provide stability and mechanical protection. They also solve any electrostatic or EMI problems.

Features

Table with 2 columns: Feature and Value. Rows include Power supply (9..15V, ca. 30mA), Connection (standard 4-pole conm cable, 1.5 m), Approval ATEX (EX I M2, EEx ia I, INERIS 01ATEX0075 X), Input values (L\_i = 0, U\_i = 20 V, I\_i = 2.5 A, C\_i = 220 µF charged with 6.2 V in series with 950 Ω), Protection class (IP 65), Operating temp. (-20 .. +60°C), and Approval Russia (РОСС DE.ГБ05.В02014 NANIO CCVE, PPC 00-25498 Rostekhnadzor).

Cable Assignment

Table with 2 columns: Pin and Function. Rows: 1 (+UB), 2 (data -> keyboard), 3 (data <- keyboard), 4 (GND), PE (Protective Earth).

Application:

The keyboard is connected to the explosionproof PC pm3.1/ze with a conm/4 connector. The PC is operated using this keyboard.

Table with 3 columns: Order Number, Release, and Description. Lists various product variants and their descriptions.