



The intrinsically safe keyboard made of stainless steel is approved for the POLARIS SMART HMI 7" W for zone 1/21 and for zone 2/22. It is connected directly to the intrinsically safe USB port. The keyboard can also be connected to the complete POLARIS series. The keyboard is completely made of stainless steel and has been developed for extreme industrial conditions (virtually insensitive to force), and its long-travel keys make it very comfortable to use. The keyboard is available in different languages.

**Explosion protection**

|                                                                                        |                                                                                                    |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Marking ATEX                                                                           | II 2G Ex ib IIC T4 Gb<br>II 2D Ex ib IIIC T120°C Db<br>$-20\text{ °C} \leq T_a \leq +60\text{ °C}$ |
| Certification                                                                          | IBExU 05 ATEX 1117 X                                                                               |
| Marking IECEx                                                                          | Ex ib IIC T4 Gb<br>Ex ib IIIC T120 °C Db                                                           |
| Certification                                                                          | IECEX IBE 11.0007X                                                                                 |
| Other approvals and certificates, see <a href="http://www.bartec.de">www.bartec.de</a> |                                                                                                    |

**Technical data**

|                        |                                                   |
|------------------------|---------------------------------------------------|
| Mounting               | Front panel installation                          |
| Material               | Stainless steel                                   |
| Protection class       | IP 65 (front side)                                |
| Dimensions (W x H x D) | 250 mm x 135 mm x 35 mm                           |
| Installation depth     | approx. 30 mm                                     |
| Front panel            | 3 mm                                              |
| Installation           | for recessed installation                         |
| Connection             | USB                                               |
| Keyboard               | with 62 keys,<br>available in different languages |

**Ordering information**

|                         |                     |
|-------------------------|---------------------|
| Smart keyboard, german  | <b>17-71VZ-C011</b> |
| Smart keyboard, english | <b>17-71VZ-C012</b> |

Technical data subject to change without notice.

Intrinsically safe Ex i memory stick. Approved for Agile X IS and POLARIS SMART HMI 7" W. May be replaced in explosive areas.

**Explosion protection**

|                                                                                        |                                                                     |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| Marking ATEX                                                                           | II 2G Ex ib IIC T4 Gb<br>$-20\text{ °C} \leq T_a \leq 50\text{ °C}$ |
| Certification                                                                          | DEMKO 16 ATEX 1803 Rev. 0                                           |
| Marking IECEx                                                                          | Ex ib IIC T4 Gb                                                     |
| Certification                                                                          | IECEX UL 16.0160                                                    |
| Other approvals and certificates, see <a href="http://www.bartec.de">www.bartec.de</a> |                                                                     |

**Technical data**

|                        |                                     |
|------------------------|-------------------------------------|
| Product type           | USB Flash drive                     |
| Memory capacity        | 8 GB                                |
| Dimensions (L x W x H) | approx. 34 mm x 11 mm x 4 mm        |
| Weight                 | < 15 g                              |
| Enclosure material     | Plastic/sheet steel                 |
| Use                    | Data backup and Ex i recovery stick |

**Ordering information**

|                   |                     |
|-------------------|---------------------|
| Ex i memory stick | <b>17-A1Z0-0007</b> |
|-------------------|---------------------|

Technical data subject to change without notice.



The Smart USB Device series is a simple and cost-efficient solution to extend the POLARIS series to include Bluetooth or WLAN functionality. The connection is made via the Ex e USB interface.

**Explosion protection**

|                                                                                        |                                                   |
|----------------------------------------------------------------------------------------|---------------------------------------------------|
| Marking ATEX                                                                           | II 2G Ex mb IIC T4 Gb<br>II 2D Ex IIIC T120 °C Db |
| Certification                                                                          | IBEXU 05 ATEX 1117 X                              |
| Marking IECEx                                                                          | Ex mb IIC T4 Gb<br>Ex IIIC T120 °C Db             |
| Certification                                                                          | IECEx IBE 11.0007X                                |
| Other approvals and certificates, see <a href="http://www.bartec.de">www.bartec.de</a> |                                                   |

**Technical data**

|                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
| Ambient temperature | -20 °C to +60 °C                                                     |
| Protection class    | IP 66 (thread socket)                                                |
| Installation        | suitable for 2G, 2D, 3G or 3D enclosure<br>Wall thickness: 1 to 6 mm |
| Befestigung         | M30 x 1.5,<br>suitable for through-holes 30.3 mm                     |
| Impact resistance   | 7 Nm                                                                 |
| Material            | Thermoplastic (enclosure)                                            |

**Technical data**

|                                     |                                        |
|-------------------------------------|----------------------------------------|
| <b>Bluetooth version</b>            |                                        |
| e.g. to connect a Bluetooth scanner |                                        |
| Bluetooth                           | 4.0, downwardly compatible 2.0/2.1/3.0 |
| Range                               | up to 10 m in open terrain             |
| <b>WLAN version</b>                 |                                        |
| for wireless network connection     |                                        |
| Wifi standard                       | IEEE802.11n, IEEE802.11g, IEEE802.11b  |
| Transmission rate                   | max. 150 Mbit/s                        |
| Frequency                           | 2.4 GHz                                |

**Ordering information**

|           |                     |
|-----------|---------------------|
| Bluetooth | <b>17-71VZ-A020</b> |
| WLAN      | <b>17-71VZ-A010</b> |

Technical data subject to change without notice.