

Ex p Slot-Printer

APEX (SILAS) Pressurized Cabinet



In many hazardous areas, it is necessary to provide products with type plates, batch markings or logistics labels. To optimize the process flow, it is often necessary to print within these areas.

This is possible with the BARTEC label printer directly in ATEX / IECEx Zone 1 or Zone 2. The printer, based on a ZEBRA ZT111, is protected by the Ex protection type pressurization.

Application areas

- Laboratory
- Logistics
- Labelling
- Product Identification
- Quality control

Advantages

- Interfaces in Ethernet (standard), USB or RS232 (on request)
- Printing labels in Zone 1 or Zone 2
- Easy use
- Full ZEBRA ZT111 application compatibility
- Standardized off-the-shelf solution

Technical data

Explosion protection for type 07-3704-222900*

Marking ATEX	Ex II 2G Ex pxb IIC T4 Gb
Certification	BVS 20 ATEX E060X
Marking IECEX	Ex pxb IIC T4 Gb
Certification	IECEX BVS 20.0048X

Explosion protection for type A7-3704-2122900*

Marking ATEX	Ex II 3G Ex pzc IIC T4 Gc
Certification	BVS 20 ATEX E061X
Marking IECEX	Ex pzc IIC T4 Gc
Certification	IECEX BVS 20.0048X

Ambient conditions

Ambient temperature	+5 °C to +40 °C
Humidity	20% - 85%, non condensing

Electrical data

Power supply	100 to 230 Vac, +/- 10 %
Frequency	49 -61 Hz
Current	< 5 A

Mechanical data

Structure	Slot-printer enclosure
Enclosure material	Stainless steel 316L
IP rating	IP 44
Installation	Free standing enclosure
Weight	35 kg

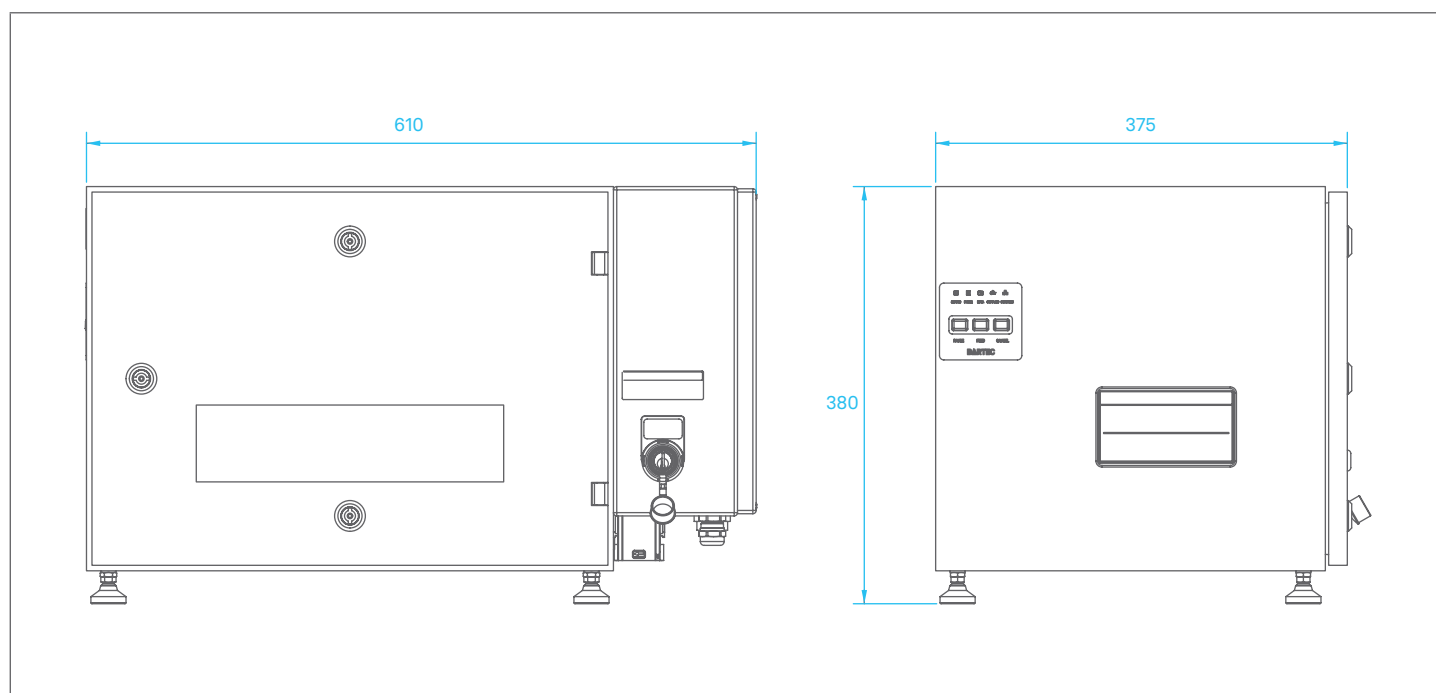
Ex p data

Purge air supply	Industrial air
Air pressure	> 3 bar
Air flow	> 10.000 l/h
Residual dust	< 40 µm
Residual water	Dew point +3 °C
Residual oil content	1 mg / m³
Purge time	< 5 Minutes
Pressure range	
Operation	2 mbar
Purge	15.0 mbar
Leakage losses	< 20 l/min with media inserted

Printer data

Printer engine	ZEBRA ZT 111
Internal memory	256 MB
Flash Memory	256 MB
Connection	Ethernet, USB or RS232
Max. resolution	203 DPI or 300 DPI
Printing technology	Thermal transfer, Thermal direct
Max. print width	104 mm
Print speed	152 mm / sec.
Ribbon length	300 m
Ribbon width	110 mm
Max. Label width	114 mm
Max. Label length	0.991 m
Label thickness	0.076 – 0.25 mm

Dimensions



Ordering information for Ex p Slot-Printer Zone 1

0 7 - 3 7 0 4 - 2 2 2 2 / 9 0 0 *

A

A Variant
 5 – Interface LAN, 203 dpi
 4 – Interface LAN, 300 dpi
 Other variants on request

Ordering information for Ex p Slot-Printer Zone 2

A 7 - 3 7 0 4 - 2 1 2 2 / 9 0 0 *

A

A Variant
 1 – Interface LAN, 203 dpi
 2 – Interface LAN, 300 dpi
 Other variants on request