

## ATEX Rated Disc Tag

ATEX rated disc tag is high frequency passive radio frequency Identification tag. Electronics circuit/ Transponder of the ATEX rated disc tags protected with high impact resistance engineering plastic material. Centre hole of the ATEX rated disc tag provides several tagging options on items which are to be identified or tracked.

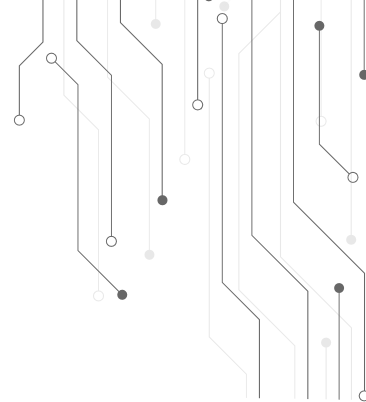
The ruggedized ATEX rated tag withstands outdoor, high temperature (130°C) and harsh environment, chemical resistance, and abrasion resistance. The ATEX rated disc tag is flame resistant UL94, V-0. ATEX /IECEX rated Disc tag is used in potentially explosive environment of mining, gas, and dust.

ATEX rated disc tag gives reliable performance in metallic and non-metallic surfaces. It has higher user memory, anticollision technology enables multiple tags to operate in the field instantaneously and process the data without corruption.



## Applications





## Electrical Specification

Operating Frequency	13.56 + 0.5/ -0.3 MHz
ISO Standard Compliance	ISO/IEC 15693 NFC Forum type 5
CHIP	ICODESLIX-2
Memory	User Memory 2560 bits
Read Range	Depends on the user's reader antenna.

## Product Characteristics

Size (∅ x Thickness in mm)	33.35 x 8.2mm
Centre Hole ∅	5.65 mm
Material	PA6 High Impact Glass Fiber reinforced
Colour	Black
Packaging	Poly bag – 500 tags
Attachment	Screw on
Weight	8.2gms

## Environmental Specification

Operating Temperature	-40 to 80 °C
Storage Temperature	-40 to 90 °C
Heat Resistance	100°C, 15 hours
Mechanical vibrations	10g,20-1000Hz, 3axis, 2.5Hrs
Mechanical shock	40g, half-shine, 18ms, 6axis, 2000times
Axial /Radial Force	800 N / 500 N. 10 sec
Impact	IEC 62262-IK07
Drop Test	100 x 1.8 m
Flame resistance	UL 94 V-0
Water Immersion	IP69K, IP68, 20°C, 1m x24h
Chemical resistance	Mineral oil, Petroleum, Salt water, vegetable oil, 90% humidity at 90°C