

UHF Alien Higgs-3 Credentials

Datasheet



Introduction

Rosslare offers a large selection of high-quality, long-lasting credentials that are compatible with today's most popular devices and are recognized for their high number of possible reads. The UHF Alien Higgs-3 smart card credentials are ISO18000-6C (EPC GEN2) compliant UHF passive credentials and are ideally suited for a variety of applications and environments while keeping the solution cost-effective.

General Description

The UHF Alien Higgs-3 smart card credentials have a great reading distance and are ideal for hands free and no-touch operation.

The UHF credentials are available as an ISO card, a hard tag, a paper label, or as a glass inlay. The ISO card and paper label can be directly printed on the card by inkjet. The hard tag has engraved numbers on it.

Main Features

- EPC Class 1 Gen 2, ISO 18000-6C
- 64 Byte memory
- ISO Card – Single and dual technology, laminated card that combines UHF with MIFARE RFID for a credential that can be read by a MIFARE reader as well as a UHF reader. These function by holding the card within range of the reader.
- Tamper proof labels for use on glass – These operate when the tag is mounted unobstructed on the inside of a glass window, such as the front windshield of a vehicle
- UHF Hard Tags – Designed for mounting on a metal surface. These plastic hard tags are made out of high quality plastics and are fully potted and rugged for indoor and outdoor use (IP68).
- ISO card and paper label form factors with optional inkjet printing
- Hard tag form factor with engraved numbers on it
- Glass inlay tag form factor with optional inkjet printing

Catalog List

Part Number	Type	Memory Size	Form Factor	Credential Format	ID Printing
LT-UVS-26A-3000	Programmed	64 Bytes	ISO Card (PVC)	Wiegand 26-bit	Inkjet - FC & Card ID (decimal)
LT-UVH-26A-7000	Programmed	64 Bytes	Hard Tag	Wiegand 26-bit	Laser Engraving - FC & Card ID (decimal)
LT-UVH-26A-3100	Programmed	64 Bytes	Hard Tag	Wiegand 26-bit	Laser Engraving - FC & Card ID (decimal)
LT-UVG-26A-3001	Programmed	64 Bytes	Glass Inlay	Wiegand 26-bit	Inkjet - FC & Card ID (decimal)
LT-UVT-26A-3001	Programmed	64 Bytes	Tamper Paper Label	Wiegand 26-bit	Inkjet - FC & Card ID (decimal)
AT-UVT-000-0001	Not Programmed	64 Bytes	Tamper Paper Label	Not Programmed	No ID Printed
AT-Z4S-000-0001	Not Programmed	4K MIFARE 64 Bytes UHF	ISO Card (PVC)	Not Programmed	No ID Printed

Technical Specifications -UHF ISO Card

OPERATING	LT-UVS-26A-3000	AT-Z4S-000-0001
Frequency	860 MHz to 960 MHz	820 MHz to 980 MHz and 13.56MHz
Read Range	12 m (39.4 ft)	12 m (39.4 ft)
ENVIRONMENTAL	LT-UVS-26A-3000	AT-Z4S-000-0001
Operating Temperature Range	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)
Operating Humidity Range	0% to 90% (non-condensing)	0% to 90% (non-condensing)
Operating Storage Range	-10°C to 50°C (14°F to 122°F)	-10°C to 50°C (14°F to 122°F)
PHYSICAL	LT-UVS-26A-3000	AT-Z4S-000-0001
Material Type	PVC	PVC
Color	White	White
Surface Finish	Glossy	Glossy
Dimensions (H x W x D)	85.6 × 54.0 × 0.8 mm (3.37 x 2.13 x 0.03 in.)	85.6 × 54.0 × 0.8 mm (3.37 x 2.13 x 0.03 in.)
Weight	5.8 g (0.2 oz)	5.8 g (0.2 oz)

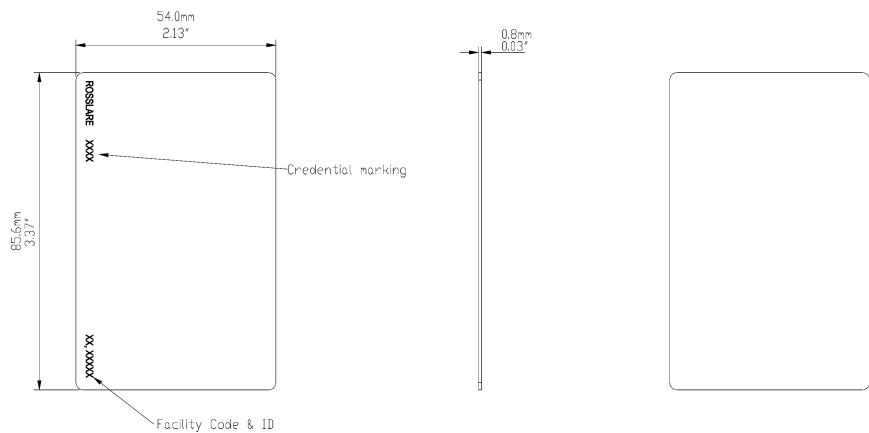
Technical Specifications - UHF Tamper Paper Label and Glass Inlay

OPERATING	Paper Label	Glass Inlay
Frequency	802 MHz to 927 MHz	860 MHz to 960 MHz
Read Range	10 m (32.8 ft)	10 m (32.8 ft)
Memory Allocation		
ENVIRONMENTAL	Paper Label	Glass Inlay
Operating Temperature Range	-25°C to 50°C (-13°F to 122°F)	-40°C to 70°C (-40°F to 158°F)
Operating Humidity Range	0% to 90% (non-condensing)	20% to 90% (non-condensing)
Operating Storage Range	-25°C to 50°C (-13°F to 122°F)	-20°C to 50°C (-4°F to 122°F)
PHYSICAL	Paper Label	Glass Inlay
Material Type	Paper	Paper
Color	White	White
Surface Finish	Paper	Glossy
Dimensions (H x W x D)	86 x 54 mm (3.39 x 2.13 in.)	97 x 27 mm (3.82 x 1.06 in.)
Weight	2.6 g (0.1 oz)	0.75 g (0.03 oz)

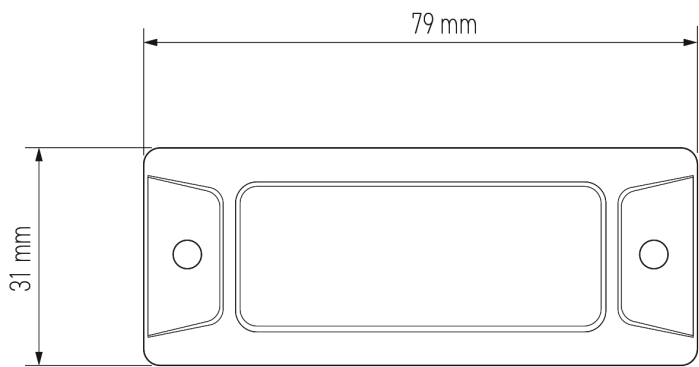
Technical Specifications - UHF Hard Tag

OPERATING	LT-UVH26A-7000	LT-UVH-26A-3100
Frequency	902 to 927 MHz	866 to 868 MHz
Read Range	8 m (26.2 ft)	10 m (32.8 ft)
Memory Allocation		
ENVIRONMENTAL	LT-UVH26A-7000	LT-UVH-26A-3100
Operating Temperature Range	-20°C to 60°C (-4°F to 140°F)	-30°C to 80°C (-22°F to 176°F)
Operating Humidity Range	0% to 90% (non-condensing)	0% to 90% (non-condensing)
Operating Storage Range	-40°C to 80°C (-40°F to 176°F)	-30°C to 80°C (-22°F to 176°F)
PHYSICAL	LT-UVH26A-7000	LT-UVH-26A-3100
Material Type	ABS	ABS
Color	Black	Black
Surface Finish	Texture	Texture
Dimensions (H x W x D)	79 x 31 x 9.5 mm (3.11 x 1.22 x 0.4 in.)	84 x 21 x 9.5 mm (3.31 x 0.83 x 0.4 in.)
Weight	20 g (0.7 oz)	15 g (0.5 oz)

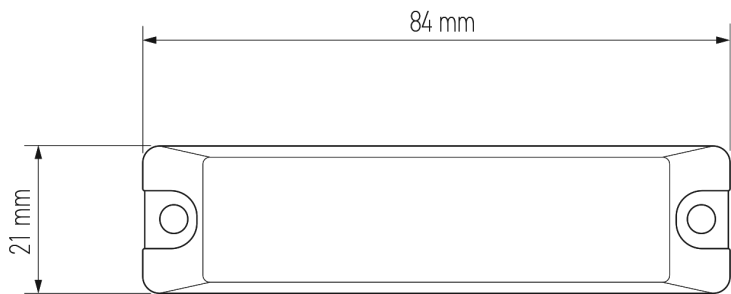
ISO Card



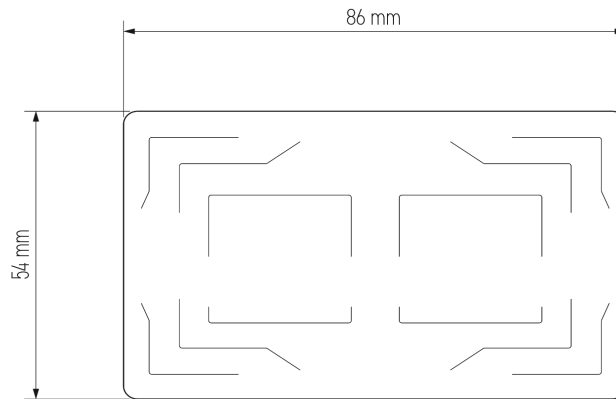
Hard Tag - LT-UVH-26A-7000



Hard Tag - LT-UVH-26A-3100



Paper Label



• EN ISO 13485



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