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Integration Manual					
Name Schreiber Simon	Dept. R&D/HWR-MUL		date 27.09.2021	sheet 1	of 6

1 Introduction

The module with the associated PCB antenna is specially designed for various expansion stages of the PROFOX electric actuator. The antenna in particular is adapted for the installation position in the housing. For this reason, it is necessary to adhere to the installation specifications.
The following steps describe the integration of the module and the associated antenna.

2 Installation specifications

2.1 Integration steps

1. The module must be pushed completely into a plastic carrier for a fixed position (see Figure 1)
2. The Antenna Z135.074 must be pushed into the screw plug Z136.746 screwed into a metal housing (see Figure 2)
3. After integrating the module Z123.664 and Z135.074, the 120 mm antenna cable must be connected to the U.FL Connector on the module and the complete plastic carrier ist pushed in a metal housing (see Figure 3)
4. The plastic carrier must be pushed down completely (see Figure 4)
5. The regulations were only checked with a completely closed metal housing. (see Figure 5)

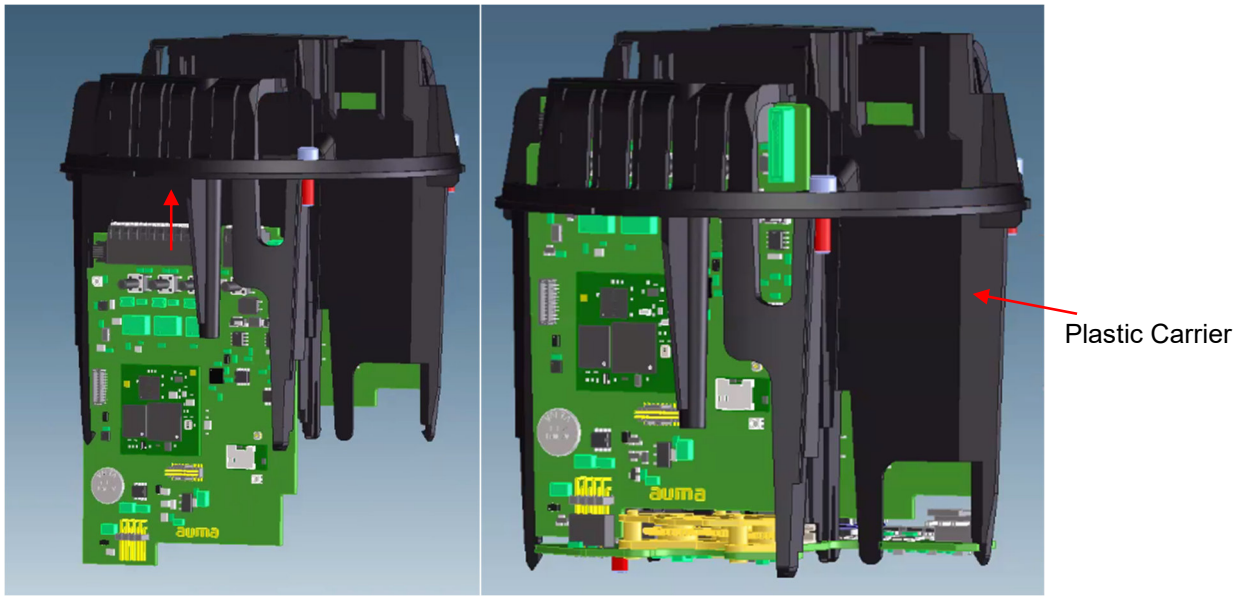

Figure 1: Integration of the Module Z123.664 in a plastic carrier

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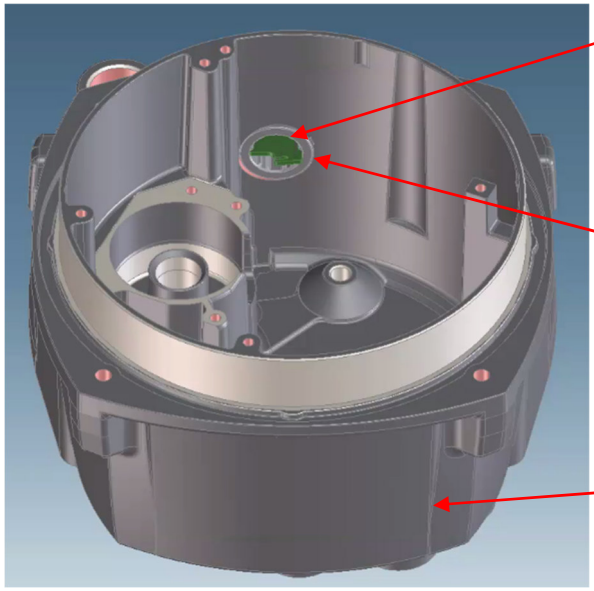

Figure 2: Installation of the Antenna Z135.074

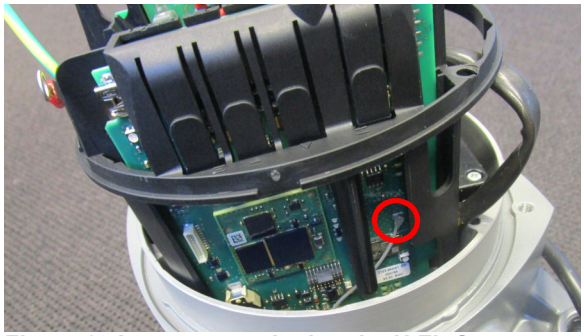

Figure 3: Antenna attached to the U.FL Connector on the Module

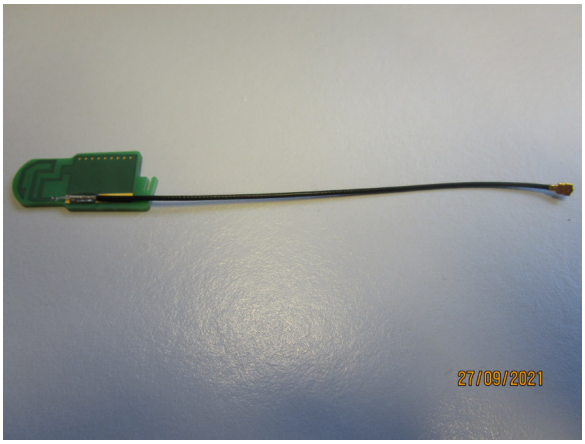

Figure 4: Z135.074 Antenna with 120 mm Antenna Cable

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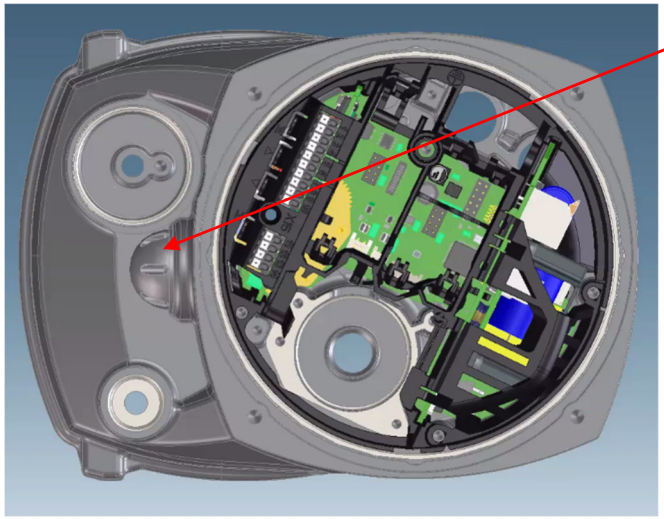

Figure 5: Integrated Module Z123.664 and Antenna Z135.074

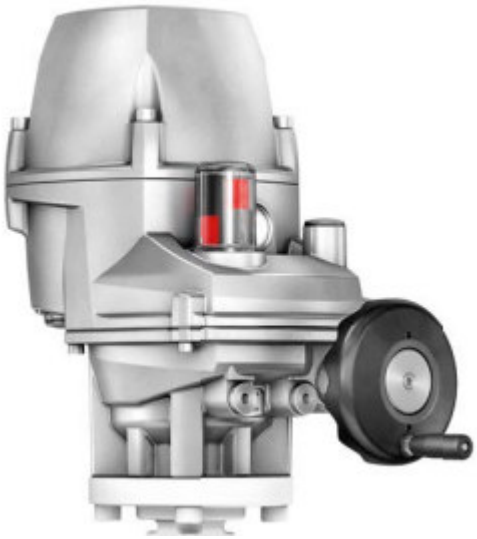

Figure 6: Final assembled unit in a completely closed metal housing

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3 Regulatory Notices

FCC/IC Notice English

This device complies with Part 15 of the FCC Rules [and with Industry Canada licence-exempt RSS standard(s)].Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

FCC/IC Notice French

Cet appareil est conforme à la partie 15 des règles de la FCC [et aux normes RSS exemptes de licence d'Industrie Canada]. Son fonctionnement est soumis aux deux conditions suivantes :

3. Cet appareil ne doit pas causer d'interférences nuisibles.
4. Cet appareil doit accepter toute interférence reçue, y compris les interférences susceptibles de provoquer un fonctionnement indésirable.

Safety instructions (English)

Changes or modifications made to this equipment not expressly approved by AUMA Riester GmbH& Co. KG may void the FCC authorization to operate this equipment!

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and usedin accordance with the operation instructions, may cause harmful interference to radio communi-cations. Operation of this equipment in a residential area is likely to cause harmful interference inwhich case the user will be required to correct the interference at his or her own expense!

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FFC Labelling (USA)

The End User must ensure that FCC labeling requirements are met. This includes a clearly visible label on the outside of the Endproducts enclosure specifiying the appropriate AUMA FCC identifier for this module.

The FCC identifier is **FCC ID: 2A2OUAUMAPF00001**

This FCC identifier is valid for the Z123.664 Module. The end product must in any case be labelled on the exterior with:

“Contains FCC ID: 2A2OUAUMAPF00001”

ISED Labelling English (Canada)

The End User must ensure that FCC labeling requirements are met. This includes a clearly visible label on the outside of the Endproducts enclosure specifiying the appropriate AUMA FCC identifier for this module.

The IC identifier is **IC: 27543-AUMAPF00001**

This IC identifier is valid for the Z123.664 Module. The end product must in any case be labelled on the exterior with:

“Contains FCC ID: 2A2OUAUMAPF00001”

ISED Labelling French (Canada)

L'utilisateur final doit s'assurer que les exigences d'étiquetage FCC sont respectées. Cela inclut une étiquette clairement visible sur l'extérieur du boîtier du produit final spécifiant l'identifiant AUMA FCC approprié pour ce module.

L'identifiant IC est **IC: 27543-AUMAPF00001**

Cet identifiant IC est valable pour le module Z123.664. Le produit final doit dans tous les cas être étiqueté à l'extérieur avec :

“Contient l'identifiant IC ID: 27543-AUMAPF00001”

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European Conformity

The electric actuator complies, with regard to the Bluetooth module used, with the following standards in compli-ance with the RED (2014/53/EU) articles:

EMC: EN 301489-1
V2.2.1 EN
301489-17
V3.2.0

Radio: EN 300328 V2.2.2