

# Leuze RFID Systems - HF compact

## TECHNICAL CONSTRUCTION FILE



## RDH 300 series

Manufacturer:

Kronotech Srl  
Viale Ungheria, 125 Udine 33100 Italy

Radio equipment:

RFID HF compact devices belonging to Leuze RFID system family  
(RDH 300 series).

Brand:

Leuze Electronic GmbH

Model names:

Product name	Part number
HF compact ProfiNet	RDH 348i 00
HF compact TCP IP	RDH 308i 00

Issue date:

**18 April 2025**

Change log:

Version	Date	Author	Change log
01	15/04/2025	CENGARLE Stefano	First release


	DOCUMENT: <b>01 Leuze HF Compact Front Page and Index 20250418 V01.docx</b>	DATE: <b>18/04/2025</b>	VERSION: <b>01</b>
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## 1. Technical documentation

The documents collected hereby are the basis for the technical construction file for the HF compact family RFID readers, in accordance with Annex V of the Directive 2014/53/EU of the European Parliament and of the Council of the 16<sup>th</sup> of April, 2014 on the harmonization of the laws of the Member States related to the making available on the market of radio equipment and repealing Directive 1999/5/EC.

Document Description	File name	Document revision
Front page and Index	01 Leuze HF Compact Front Page and Index 20250418 V01.docx Add front picture with TCP new label.	V01
Products brief	02 Leuze HF Compact Products Brief 20250418 V01.docx	V01
Manuals	03 Leuze HF compact Manuals 20250418 V01.docx	V01
Photographs	04 Leuze HF Compact Pictures and Renders 20250418 V01.docx 04.1 HF Compact ProfiNet.pdf Label outdated 04.2 HF Compact TCP.pdf Label outdated Some renders, temporary marking plate & old label.	V01
Marking plate	05 Leuze HF Compact Marking Plate 20250418 V01.docx Waiting for customer inputs and UL confirmation	V01
System description	06 Leuze HF Compact System Description 20250418 V01.docx	V01
Bill of materials	06.1 Leuze HF compact HF Profinet version BOM (RDH 348i 00) (DF) 06.1 Leuze HF compact HF TCP/IP version BOM (RDH 308i 00) (DF)	V01
Label (antenna) description	06.2 Leuze HF Compact Label 20250418 V01.docx 06.1-2 attachments: Label drawing and component details (plastic and adhesive tape certifications, LEDs datasheet). Outdated – missing connectors identification print on top of the label.	V01
Electronic boards and connectors description	06.3 Leuze HF Compact Electronic Boards and Connectors 20250418 V01.docx 06.3.1-4 PCBs attachments: schematics, GBRs, PCB prints, assemblies, BOMs, 3D renders. 06.3.5 ZIF Cables Datasheet 686708050001.pdf 06.3.6 M12-A A700000006725646.pdf 06.3.6 M12-D MSDS_XXPFFP_SF8001-3559161.pdf 06.3.6 M12-L MSLs-XXPMEP-SF8004(A) (1).pdf	V01
Enclosures	06.4 Enclosure starCASE SC 090 datasheet-230.090.000.pdf 06.4 Box drill patterns ProfiNet (DF) 06.4 Box drill patterns TCP (DF) 06.4 Box paint S432 TDS.pdf	V01
Assembly procedure	06.5 Leuze HF Compact Assembly Procedure 20250418 V01.docx Some outdated photos (label + marking plate).	V01
Acceptance tests	07 TBD	V01
Tests list	08 TBD	V01
Test reports	09 TBD (CE, RED, FCC, UL, ...)	V01
Conformity assessment reports	10 TBD (CE, RED, FCC, UL, ...)	V01
Declaration of conformity	10 TBD (CE, RED, FCC, UL, ...)	V01

Table 1: list of documents included in the TCF record.

	DOCUMENT: <b>01 Leuze HF Compact Front Page and Index  20250418 V01.docx</b>	DATE: <b>18/04/2025</b>	VERSION: <b>01</b>
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