Distance	RFH505-1004301	RFH510-1004301
B	36 mm	60 mm
C	18 mm	30 mm
D	120 mm	180 mm
E	10 mm	10 mm
Tightening torque of fixing nuts	25 nm	70 nm

RFH515 (C44)

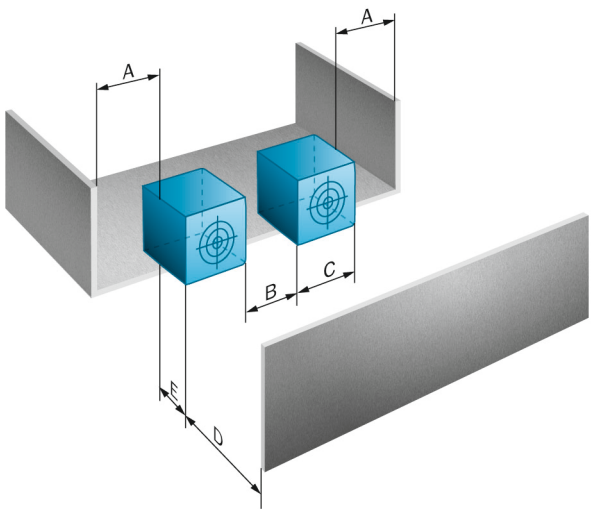

Figure 19: RFH515: distances required to prevent mutual interference with parallel mounting of several devices as well as from the environment

Distance	RFH515-1004301
A	40 mm
B	80 mm
C	40 mm
D	240 mm
E	10 mm [1]

1) The required overrun of the device with non-flush installation is greater than the distance from the visible breaking edge at the top of the device to the outer device contour, see "Mounting the device", page 27.

12.4 Ambient data

Table 13: Technical data for RFH5xx: ambient data

	RFH505-1004301	RFH510-1004301	RFH515-1004301
Electromagnetic compatibility (EMC)	EN 301489-3 V1.6.1 (2013)		
Vibration resistance	IEC 60068-2-6:2007-12 (10 Hz to 55 Hz / 1 min / 5 min)		
Shock resistance	IEC 60068-2-27:2008-02 (30 gn / 11 ms/half-sine)		
Ambient temperature	• Operation: –25 °C ... +80 °C • Storage [1]: –25 °C ... +80 °C		
Permissible relative humidity	0% ... 95%, non-condensing		

1) Storage conditions see "Storage", page 23.

12.5 Working range diagrams

RFH505, RFH510, RFH515: see "Working range of the antenna", page 18.

12.6 Dimensional drawing

RFH505, RFH510, RFH515: dimensions see "Device view", page 15.

13 Accessories

NOTE

Accessories and where applicable mounting information can be found online at:

- www.sick.com/RFH5xx

14 Annex

14.1 EU declaration of conformity/Certificates

The EU declaration of conformity and other certificates can be downloaded from the Internet at:

- www.sick.com/RFH5xx

14.2 Dimensional drawings (electronic)

Current dimensional drawings in various electronic formats can be downloaded online:

- www.sick.com/RFH5xx

14.3 Abbreviations used

General

CE	**C**ommunauté **E**uropéenne. European Community
CoLa-A	**C**ommand **L**anguage **A**SCII (SICK-specific protocol)
ES1	**E**lectrical Energy **S**ource Class **1** (Class 1 electrical energy source)
ESD	**E**lectro-**S**tatic-**D**ischarge. Electrostatic discharge
EMC	**E**lectro**m**agnetic **C**ompatibility
FCC	**F**ederal **C**ommunications **C**ommission
I_{out}	Output current
LED	**L**ight **E**mitting **D**iode. Light-emitting diode
LPS	**L**imited **P**ower **S**upply
MAC	**M**edium **A**ccess **C**ontrol
MTBF	**M**ean **T**ime **B**etween **F**ailures
MTTF	**M**ean **T**ime **T**o **F**ailure
MTTR	**M**ean **T**ime **T**o **R**epair
O	**O**utput
PDF	**P**ortable **D**ocument **F**ormat
RFH	**R**adio **F**requency **H**igh frequency
RFID	**R**adio **F**requency **Id**entification
RSSI	**R**eceived **S**ignal **S**trength **I**ndication
SOPAS ET	**S**ICK **O**pen **P**ortal for **A**pplication and **S**ystems **E**ngeneering **T**ool. SICK software for computer (Windows) for device configuration.
SDD	**S**OPAS **D**evice **D**escription (Device description file, driver for SICK SOPAS ET software)
PLC	**P**rogrammable **L**ogic **C**ontroller.
TID	**T**ag **Id**entifier (Transponder Identification Number. Unique, unchangeable number from the IC manufacturer.
UID	**U**nique **Id**entification code
V_{out}	Output voltage
V_S	Supply voltage

IO-Link

COM 1 – 3	SDCI communication mode (data transmission rate). COM 1 (4.8 kBit/s), COM 2 (38.4 kBit/s), COM 3 (230.4 kBit/s)
IODD	IO Device Description (device description device of an IO-Link device)
ISDU	Indexed Service Data Unit (service data object in IO-Link)
SDCI	Single-drop digital interface (official specification of IO-Link technology)

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