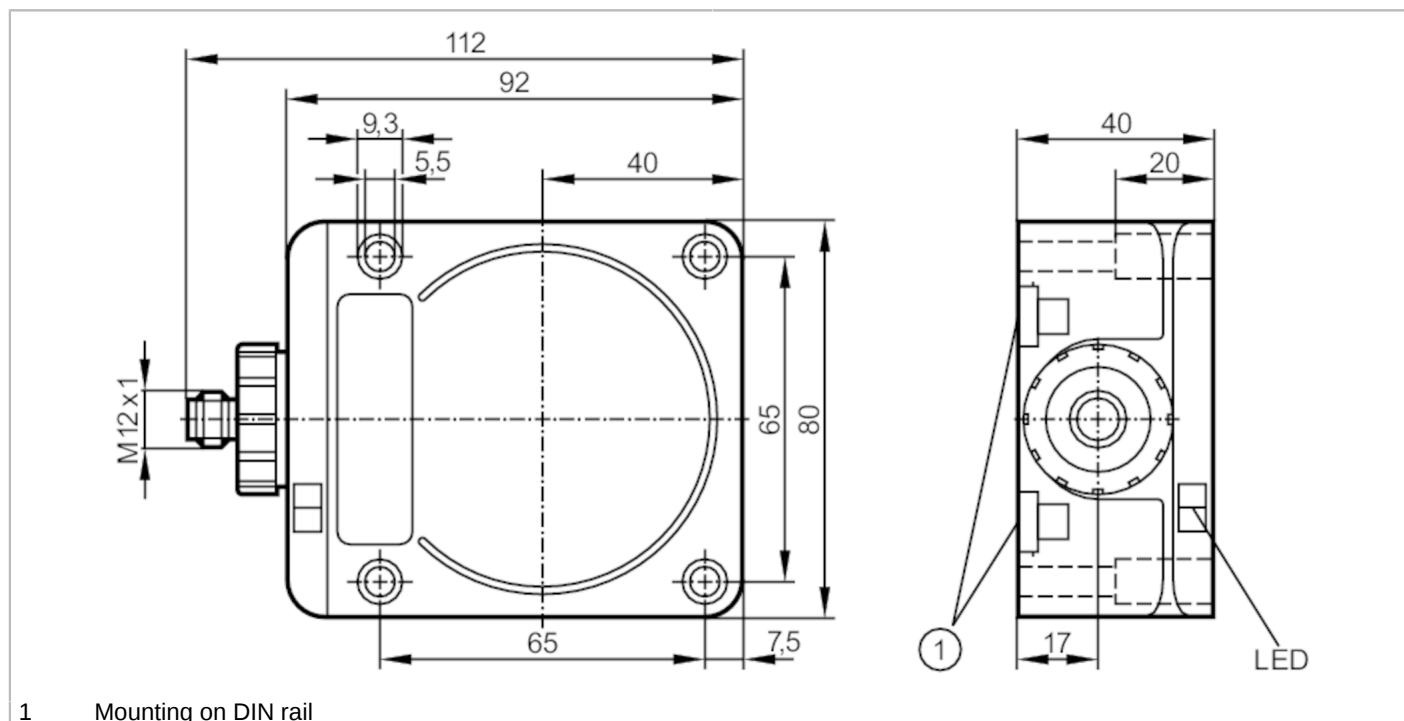


DTA301



RFID read antenna with AS-Interface

DTSLF DCROASUS01



Application			
Application		Detection of objects on transport equipment	
Radio approval for		USA; Canada; EU/RED; Australia; Singapore; China	
Note on radio approval		The list of countries applying the European Radio Equipment Directive 2014/53/EU (RED) can be found under “Downloads”.	
Electrical data			
Operating voltage		[V]	26.5...31.6 DC; (cULus - Class 2 source required)
Current consumption		[mA]	< 65
Protection class			III
Operating frequency		[MHz]	0,125
Outputs			
Electrical design		AS-i	
Monitoring range			
Travel speed		[m/s]	< 0.5
Distance read/read head front			400
Distance read/read head side			280
Note on distance read/read head		based on	:
		Read/write antenna	DTA300
		Read head	DTA301
Distance write/read head front		[mm]	500
Distance write/read head side		[mm]	500
Note on distance write/read head		based on	:
		Read/write antenna	DTA300
		Read head	DTA301

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Distance to the ID tag	[mm]	Reading	:	≤ 80
		static		

Interfaces

Communication interface	AS-i
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Operating conditions

Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-25...80
Protection		IP 67

Tests / approvals

EMC	EN 50295	1999-03
Shock resistance	EN 60068-2-29	40 g 6 ms
	EN 60068-2-27	50 g 11 ms
Vibration resistance	EN 60068-2-6	20 g 10...55 Hz
MTTF	[years]	422

AS-i classification

AS-i I/O configuration	[hex]	7
AS-i ID code	[hex]	3
AS-i certificate		83501

Mechanical data

Weight	[g]	413.5
Housing		rectangular
Dimensions	[mm]	92 x 80 x 40
Material		housing: PPE; metal parts: diecast zinc / brass nickel-plated

Displays / operating elements

Display	Operating voltage	1 x LED, green
	tag communication	1 x LED, yellow
	error in AS-i data communication	1 x LED, red

Remarks

Remarks	For the distances to other ID tags see the respective data sheet (E803xx)
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12, rotatable; coding: A



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Connection

