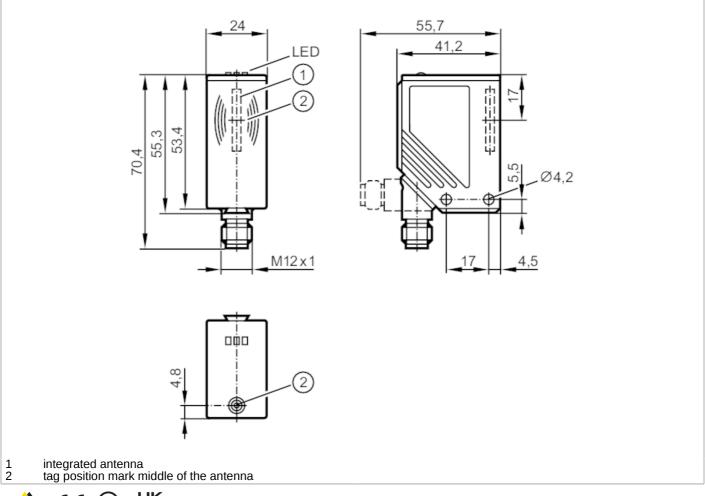
DTA100

RFID read/write antenna with AS-Interface













Application					
Application		Detection of objects on transport equipment			
Radio approval for		USA; Canada; EU/RED; Australia; 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]	26.531.6 DC; (cULus - Class 2 source required)			
Current consumption	[mA]	< 50			
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		200			
Distance read/read head side		200			

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DTSLF AARWASUS01

Read Read Read Read Read Read Read Read	Note on distance read/read head		based on	:			
Distance write/read head fmm front			Read/write antenna		D	ΓA100	
Distance write/read head side [mm]			Read head		D	ΓΑ101	
Data		[mm]	400				
Read/write antenna DTA100	Distance write/read head side [mm]		400				
Read head DTA101	Note on distance write/read		based on	:			
Reading Static	head		Read/write antenna		D	TA100	
Interfaces							
Communication interface	Distance to the ID tag	[mm]		:	≤ 2	20	
Communication interface AS-i Operating conditions Ambient temperature [°C] -2050 Storage temperature [°C] -2580 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 102000 Hz MTTF [years] 422 AS-i classification AS-i I) Code [hex] 7 AS-i Ocentificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Display / operating elements Displays / operating elements Operating voltage 1 x LED, green tag communication 1 x LED, yellow error in AS-i data communication 1 x LED, ted			static				
Communication Communicatio	Interfaces						
Ambient temperature [*C] -2050 Storage temperature [*C] -2580 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 60068-2-27 20 g 102000 Hz MTTF [years] 422 AS-i classification AS-i I/O configuration [hex] 7 AS-i ID code [hex] 4 AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Display / operating elements Display / operating elements Operating voltage 1 x LED, green Tag communication 1 x LED, yellow error in AS-i data communication 1 x LED, red	Communication interface		AS-i				
Storage temperature [°C] -2580 Protection IP 67 Tests / approvals EMC	Operating conditions						
Protection IP 67 Tests / approvals EMC EN 50295 1999-03 Shock resistance EN 60068-2-29 40 g 6 ms Vibration resistance EN 60068-2-27 50 g 11 ms Vibration resistance EN 60068-2-6 20 g 102000 Hz MTTF [years] 422 AS-i classification AS-i ID code [hex] 7 AS-i ID code [hex] 4 AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Displays / operating elements Operating voltage 1 x LED, green tag communication 1 x LED, yellow error in AS-i data communication 1 x LED, red Remarks	Ambient temperature	[°C]	-2050				
Tests / approvals	Storage temperature	[°C]	-2580				
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 102000 Hz MTTF [years] 422 AS-i classification AS-i ID code [hex] 7 AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Displays / operating elements 1 x LED, green tag communication 1 x LED, yellow error in AS-i data communication 1 x LED, red Remarks For the distances to other ID tags see the respective data sheet (E803xx)	Protection		IP 67				
EN 60068-2-29	Tests / approvals						
EN 60068-2-27 50 g 11 ms	EMC		EN 50295		1999-03		
Vibration resistance EN 60068-2-6 20 g 102000 Hz MTTF [years] 422 AS-i classification AS-i I/O configuration [hex] 7 AS-i ID code [hex] 4 AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Displays / operating elements 0 Operating voltage 1 x LED, green tag communication 1 x LED, yellow error in AS-i data communication 1 x LED, red Remarks For the distances to other ID tags see the respective data sheet (E803xx)	Shock resistance		EN 60068-2-29		40 g 6 ms		
MTTF [years] 422 AS-i classification AS-i I/O configuration [hex] 7 AS-i ID code [hex] 4 AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Displays / operating elements Operating voltage 1 x LED, green tag communication 1 x LED, yellow error in AS-i data communication 1 x LED, red Remarks For the distances to other ID tags see the respective data sheet (E803xx)			EN 60068-2-27				
AS-i classification AS-i I/O configuration [hex] 7 AS-i ID code [hex] 4 AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA 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)			EN 60068-2-6				
AS-i I/O configuration [hex] 7 AS-i ID code [hex] 4 AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Display solutage 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)	MTTF	[years]		4	22		
AS-i ID code [hex] AS-i certificate 71501 Mechanical data	AS-i classification						
AS-i certificate 71501 Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Display Operating voltage 1 x LED, green 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)	AS-i I/O configuration	[hex]	7				
Mechanical data Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Displays / operating elements Display Operating voltage tag communication 1 x LED, green 1 x LED, yellow error in AS-i data communication 1 x LED, red Remarks Remarks	AS-i ID code	[hex]	4				
Weight [g] 104.3 Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Display Operating voltage 1 x LED, green 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)	AS-i certificate		71501				
Housing rectangular Dimensions [mm] 55 x 24 x 41 Material PA 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)	Mechanical data						
Dimensions [mm] 55 x 24 x 41 Material PA Displays / operating elements Display Operating voltage 1 x LED, green 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)	Weight	[g]	104.3				
Material PA 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)	Housing		rectangular				
Displays / operating elements Display Operating voltage	Dimensions	[mm]	55 x 24 x 41				
Display Operating voltage tag communication error in AS-i data communication 1 x LED, yellow 1 x LED, red Remarks For the distances to other ID tags see the respective data sheet (E803xx)	Material		PA				
tag communication 1 x LED, yellow error in AS-i data communication 1 x LED, red Remarks For the distances to other ID tags see the respective data sheet (E803xx)	Displays / operating eleme	nts					
Remarks For the distances to other ID tags see the respective data sheet (E803xx)	Display		Operating voltage		1 x LED, green		
Remarks For the distances to other ID tags see the respective data sheet (E803xx)			tag communication		1 x LED, yellow		
Remarks For the distances to other ID tags see the respective data sheet (E803xx)			error in AS-i data communicat	ion	1 x LED, red		
	Remarks						
Pack quantity 1 pcs.	Remarks		For the distances to other ID tags see the respective data sheet (E803xx)				
	Pack quantity		1 pcs.				

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Electrical connection

Connector: 1 x M12; coding: A



Connection

