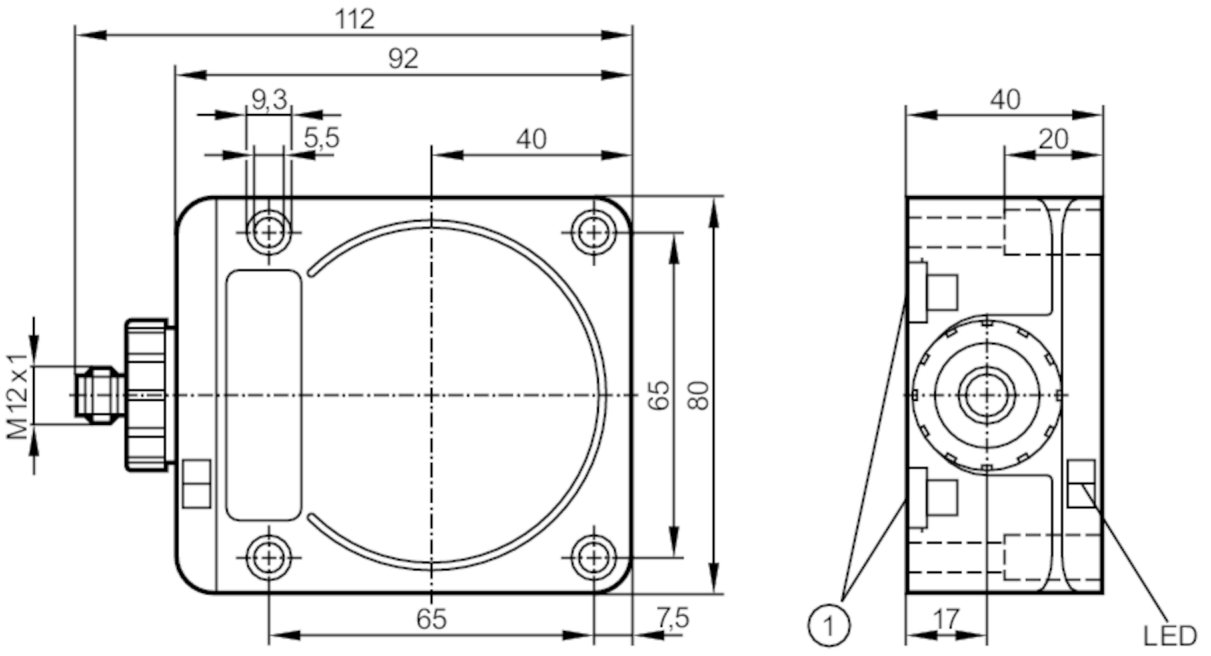
DTA300

RFID read/write antenna with AS-Interface

DTSLF DCRWASUS01



1 Mounting on DIN rail

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	
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		
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]	4		
AS-i certificate		83401		
Mechanical data				
Weight	[g]	414		
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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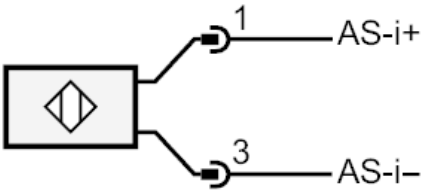
Connection