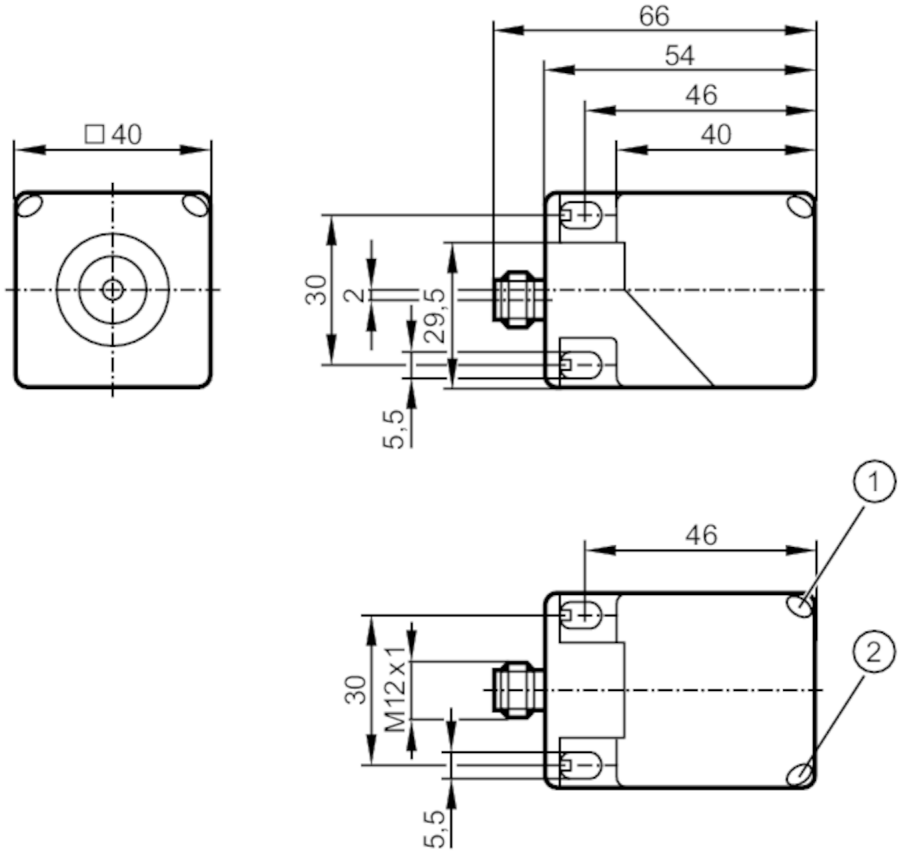
DTA200

RFID read/write antenna with AS-Interface

DTSLF MCRWASUS01



1 LED yellow/red
2 LED green

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]	< 75
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		150
Distance read/read head side		150

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Note on distance read/read head		based on	:	
		Read/write antenna		DTA200
		Read head		DTA201
Distance write/read head front	[mm]	300		
Distance write/read head side	[mm]	300		
Note on distance write/read head		based on	:	
		Read/write antenna		DTA200
		Read head		DTA201
Distance to the ID tag	[mm]	Reading	:	≤ 55
		static		
Interfaces				
Communication interface		AS-i		
Operating conditions				
Ambient temperature	[°C]	-20...60		
Storage temperature	[°C]	-25...80		
Protection		IP 67; IP 69K		
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]	456		
AS-i classification				
AS-i I/O configuration	[hex]	7		
AS-i ID code	[hex]	4		
AS-i certificate		87201		
Mechanical data				
Weight	[g]	168.3		
Housing		rectangular		
Sensing face		5 positions selectable		
Dimensions	[mm]	40 x 40 x 54		
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)		
Pack quantity		1 pcs.		

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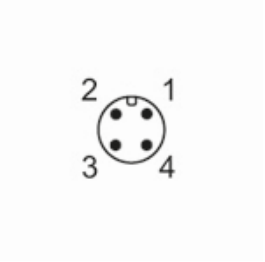
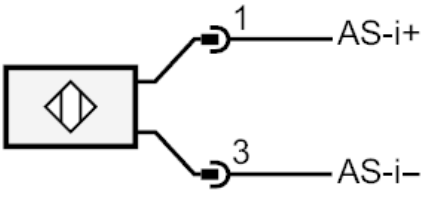
Electrical connection

Connector: 1 x M12, rotatable, locking; coding: A



Connection