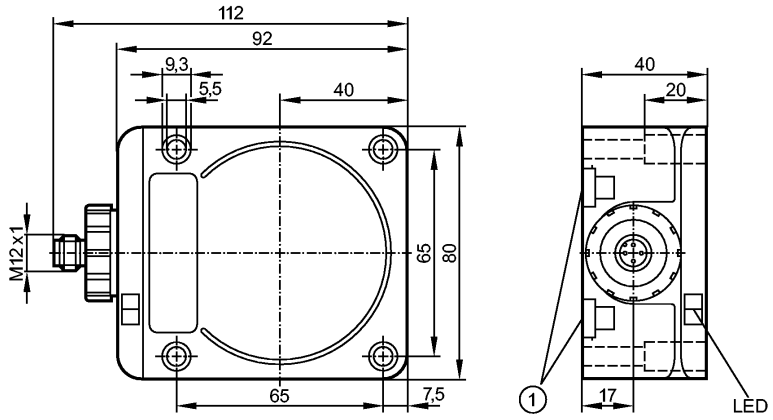
efector190

DTA300

DTSLF DCRWASUS01

Identification systems



1: Mounting on DIN rail

Product characteristics		
Read/write head		
Rectangular, plastics		
with integrated AS-i slave profile 7.4		
M12 connector		
Application		
Application		Detection of objects on conveying systems; suitable for travel speeds up to 0.5 m/s
Electrical design		AS-i
Electrical data		
Operating voltage	[V]	26.5...31.6 DC (AS-i) [1]
Current consumption	[mA]	≤ 65
Protection class		III
operating frequency [kHz]		125
Monitoring range		
Travel speed * [m/s]		read: ≤ 0.5 (distance to the ID tag 40 mm) write: only static
Distance to the ID tag * [mm]		read: ≤ 80 (static)
Distance between read/read heads ** [mm]		≥ 280 side ≥ 400 front
Distance between read/write heads** [mm]		≥ 500 side / front
Measuring / setting range		
value range		16 bits (15-bit ID value, 1-bit message)
Environment		
Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		

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Approval	Radio approvals Europe: 99/5/EC (R&TTE Directive) USA FCC ID: UN6DTS125AA Canada ID: 6799A-DTS125AA China ID: 2007DJ0582 Singapore: Registration Number S0655-07	
EMC	EN 50295	(1999-03)
Shock resistance	EN 60068-2-29: EN 60068-2-27:	40 g (6 ms) 50 (11 ms)
Vibration resistance	EN 60068-2-6:	20 g (10...55 Hz)

Safety classification

MTTF	[a]	422

AS-i classification

AS-i profile		7.4
I/O configuration [hex]		7
ID code [Hex]		4
AS-i certificate		83401

Mechanical data

Housing materials		housing: PPE; Metal parts: diecast zinc / brass nickel-plated
Weight	[kg]	0.383

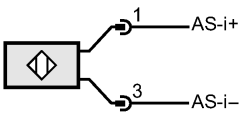
Displays / operating elements

Display	3 LED green: operating voltage yellow: tag read red: error AS-i data communication

Electrical connection

Connection	M12 connector; rotatable

Wiring



Remarks

Remarks	*) referred to the ID tag E80318 For the distances to other ID tags see the respective data sheet (E803xx) **) referred to the read/write head DTA300 and read head DTA301
Pack quantity [piece]	1