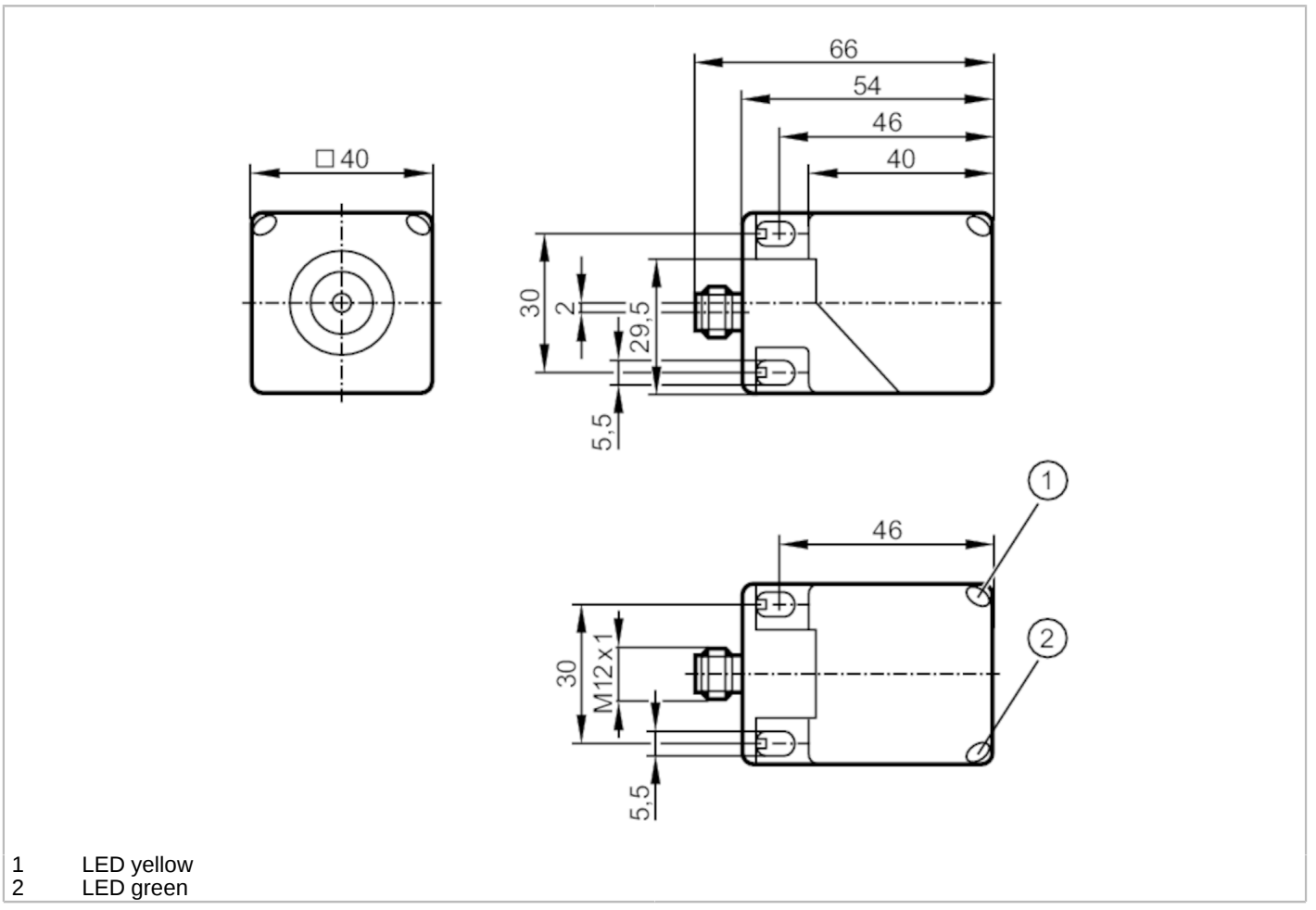
ANT513

RFID read/write head HF

DTRHF MCRWIDUS03



1 LED yellow
2 LED green

Application		
Application		Detection of objects on transport equipment
Radio approval for		USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; South Korea; Singapore; Ukraine; Malaysia; Brazil; Mexico; New Zealand; Vietnam
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]	24 DC
Current consumption	[mA]	< 50
Protection class		III
Operating frequency	[MHz]	13,56
RFID standard		ISO 15693
Monitoring range		
Travel speed	[m/s]	< 1
Distance write/read head front	[mm]	250
Distance write/read head side	[mm]	300

ANT513

RFID read/write head HF

DTRHF MCRWIDUS03

Distance to the ID tag	[mm]	Reading	:	≤ 60
		static		
		Writing	:	≤ 60
		static		
		reference tag	:	E80370

Interfaces		
Communication interface		DATA / DTE10x
Operating conditions		
Ambient temperature	[°C]	-20...60
Storage temperature	[°C]	-25...80
Protection		IP 67; IP 69K
Tests / approvals		
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]	557
Mechanical data		
Weight	[g]	165.55
Housing		rectangular
Sensing face		5 positions selectable
Mounting		flush mountable
Dimensions	[mm]	40 x 40 x 54
Material		housing: PA; metal parts: stainless steel
Displays / operating elements		
Display	Power	1 x LED, green
	tag communication	1 x LED, yellow
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, locking; coding: A



ANT513

RFID read/write head HF

DTRHF MCRWIDUS03

Connection

