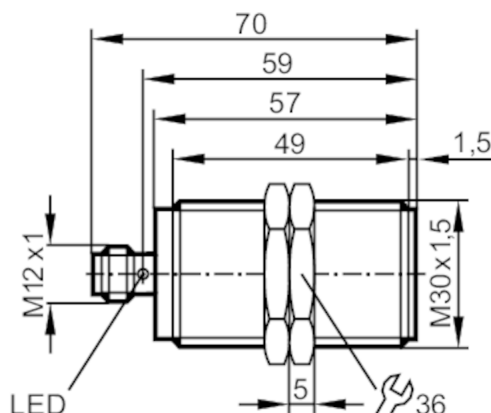




RFID read/write head with CAN interface and SAE J 1939 protocol

DTMHF IBRWCJUS03



Application

Radio approval for	USA; Canada; EU/RED; Australia; Japan; China; Taiwan; India; Singapore; Ukraine
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]	9...32 DC
Current consumption [mA]	< 50 (24 V) / < 80 (12 V)
Protection class	III
Operating frequency [MHz]	13,56
RFID standard	ISO 15693

Detection zone

Distance write/read head front [mm]	120
Distance write/read head side [mm]	60
Distance to the ID tag [mm]	≤ 30

Interfaces

Communication interface	CAN
CAN	
Protocol	J1939

Operating conditions

Ambient temperature [°C]	-40...85
Storage temperature [°C]	-40...85
Protection	IP 67; IP 69K

Tests / approvals

Shock resistance	EN 60068-2-27	40 g 6 ms / repetitive
	EN 60068-2-27	50 g 11 ms / not repetitive
Vibration resistance	EN 60068-2-6	20 g 10...2000 Hz
MTTF [years]		477

DTM436



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Mechanical data		
Weight	[g]	198.5
Housing		threaded type
Dimensions	[mm]	M30 x 1.5 / L = 70
Thread designation		M30 x 1.5
Materials		housing: stainless steel; Protective cover: PPS; LED window: PEI

Displays / operating elements		
Display	operation	1 x LED, green
	CAN communication	1 x LED, red
	tag communication	1 x LED, yellow

Remarks	
Pack quantity	1 pcs.

Electrical connection

Connector: 1 x M12; coding: A



1	not used
2	U+
3	GND
4	CAN_H
5	CAN_L