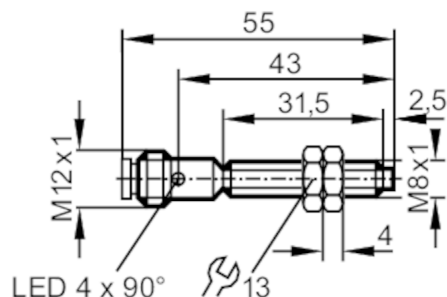


IE5295



Inductive sensor

IEB3002-BPKG/V4A/US-104-DPS/RT



Electrical data	
Operating voltage [V]	10...36 DC
Current consumption [mA]	15; (24 V)
Protection class	II
Reverse polarity protection	yes
Outputs	
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	200
Switching frequency DC [Hz]	2000
Electrical design	PNP
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes
Detection zone	
Sensing range [mm]	2
Real sensing range S_r [mm]	$2 \pm 10\%$
Operating distance [mm]	0...1.6
Accuracy / deviations	
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminium: 0.4 / copper: 0.3
Hysteresis [% of S_r]	1...15
Switch point drift [% of S_r]	-10...10
Operating conditions	
Ambient temperature [°C]	-25...80
Protection	IP 67
Tests / approvals	
EMC	EN 60947-5-2
	EN 55011
	class B
MTTF [years]	2751

IE5295



Inductive sensor

IEB3002-BPKG/V4A/US-104-DPS/RT

Mechanical data	
Weight [g]	21.5
Housing	threaded type
Mounting	non-flush mountable
Dimensions [mm]	M8 x 1 / L = 55
Thread designation	M8 x 1
Materials	stainless steel (1.4571/316Ti); sensing face: PBT

Displays / operating elements		
Display	switching status	4 x 90° LED, red

Accessories	
Accessories (supplied)	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



Connection

