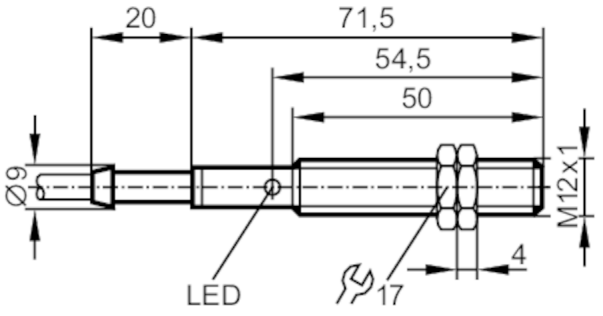
IF0022

Inductive sensor

IFA2002-ABOW/10m

Article no longer available - archive entry



CE

Product characteristics		
Output function		normally open
Sensing range	[mm]	2
Housing		Threaded type
Dimensions	[mm]	M12 x 1 / L = 71.5
Electrical data		
Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC
Protection class		II
Reverse polarity protection		no
Outputs		
Output function		normally open
Max. voltage drop switching output AC	[V]	8.5
Minimum load current	[mA]	8
Max. leakage current	[mA]	2
Permanent current rating of switching output AC	[mA]	200; (250 (...50 °C))
Short-time current rating of switching output	[mA]	900; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Short-circuit proof		no
Overload protection		no
Monitoring range		
Sensing range	[mm]	2
Real sensing range Sr	[mm]	2 ± 10 %
Operating distance	[mm]	0...1.6
Accuracy / deviations		
Correction factor		steel: 1 / stainless steel: 0.7 / brass: 0.4 / aluminum: 0.3 / copper: 0.2
Hysteresis	[% of Sr]	1...15
Switch-point drift	[% of Sr]	-10...10

IF0022

Inductive sensor

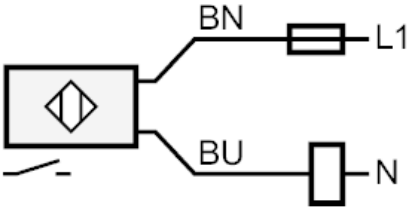
IFA2002-ABOW/10m

Operating conditions			
Ambient temperature	[°C]	-25...80	
Protection		IP 67	
Tests / approvals			
EMC		EN 60947-5-2	
		EN 55011	class B
MTTF	[years]	932	
Mechanical data			
Housing		Threaded type	
Mounting		flush mountable	
Dimensions	[mm]	M12 x 1 / L = 71.5	
Thread designation		M12 x 1	
Material		housing: brass white bronze coated; sensing face: PBT	
Displays / operating elements			
Display		Switching status	1 x LED, yellow
Electrical connection			
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting	
Accessories			
Items supplied		lock nuts: 2	
Remarks			
Remarks		Recommendation: check the unit for reliable function after a short circuit.	
Pack quantity		1 pcs.	

Electrical connection

Cable: 10 m, PVC; 2 x 0.5 mm²

Connection



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting
Core colors :
BN = brown
BU = blue