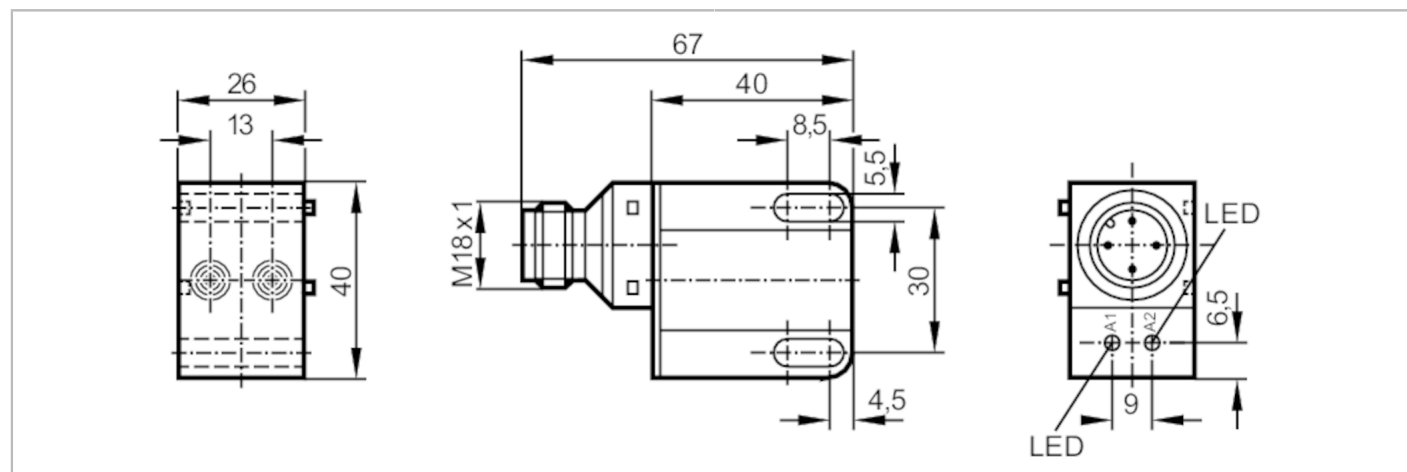




Dual inductive sensor for valve actuators

IND2004DABOA/BS-200-K



Product characteristics

Output function		2 x normally open
Sensing range	[mm]	4
Housing		rectangular
Dimensions	[mm]	40 x 26 x 40

Application

Application	Position sensor for valve actuators
-------------	-------------------------------------

Electrical data

Frequency AC	[Hz]	47...63
Operating voltage	[V]	20...250 AC/DC
Protection class		II
Reverse polarity protection		yes

Outputs

Output function		2 x normally open
Max. voltage drop switching output DC	[V]	6.5
Max. voltage drop switching output AC	[V]	6.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	2.5 (250 V AC) / 1.3 (110 V AC) / 0.8 (24 V DC)
Permanent current rating of switching output AC	[mA]	250; (350 (...50 °C))
Permanent current rating of switching output DC	[mA]	100
Short-time current rating of switching output	[mA]	2200; (20 ms / 0,5 Hz)
Switching frequency AC	[Hz]	25
Switching frequency DC	[Hz]	50
Short-circuit proof		no
Overload protection		no



Dual inductive sensor for valve actuators

IND2004DABOA/BS-200-K

Monitoring range		
Sensing range	[mm]	4
Real sensing range Sr	[mm]	4 ± 10 %
Operating distance	[mm]	0...3.25
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
Operating conditions		
Ambient temperature	[°C]	-25...80
Protection		IP 67
Tests / approvals		
EMC	EN 60947-5-2	
	EN 55011	class B
MTTF	[years]	303
UL approval	Ta	0...40 °C
	Enclosure type	Type 1
	File number UL	E174191
Mechanical data		
Weight	[g]	69
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 40
Material		PBT
Displays / operating elements		
Display	Switching status	2 x LED, yellow
Electrical connection		
Required protection		miniature fuse to IEC60127-2 sheet 1; ≤ 2 A; fast acting
Remarks		
Remarks		Recommendation: check the unit for reliable function after a short circuit.
Pack quantity		1 pcs.

IN0108

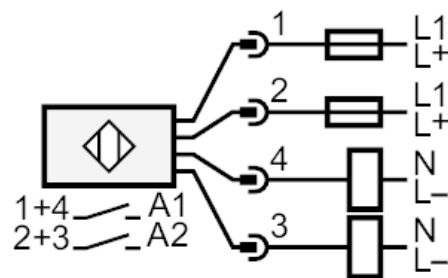


Dual inductive sensor for valve actuators

IND2004DABOA/BS-200-K

Electrical connection - plug

Connector: 1 x M18; coding: A



Note miniature fuse to IEC60127-2 sheet 1 ≤ 2 A fast acting