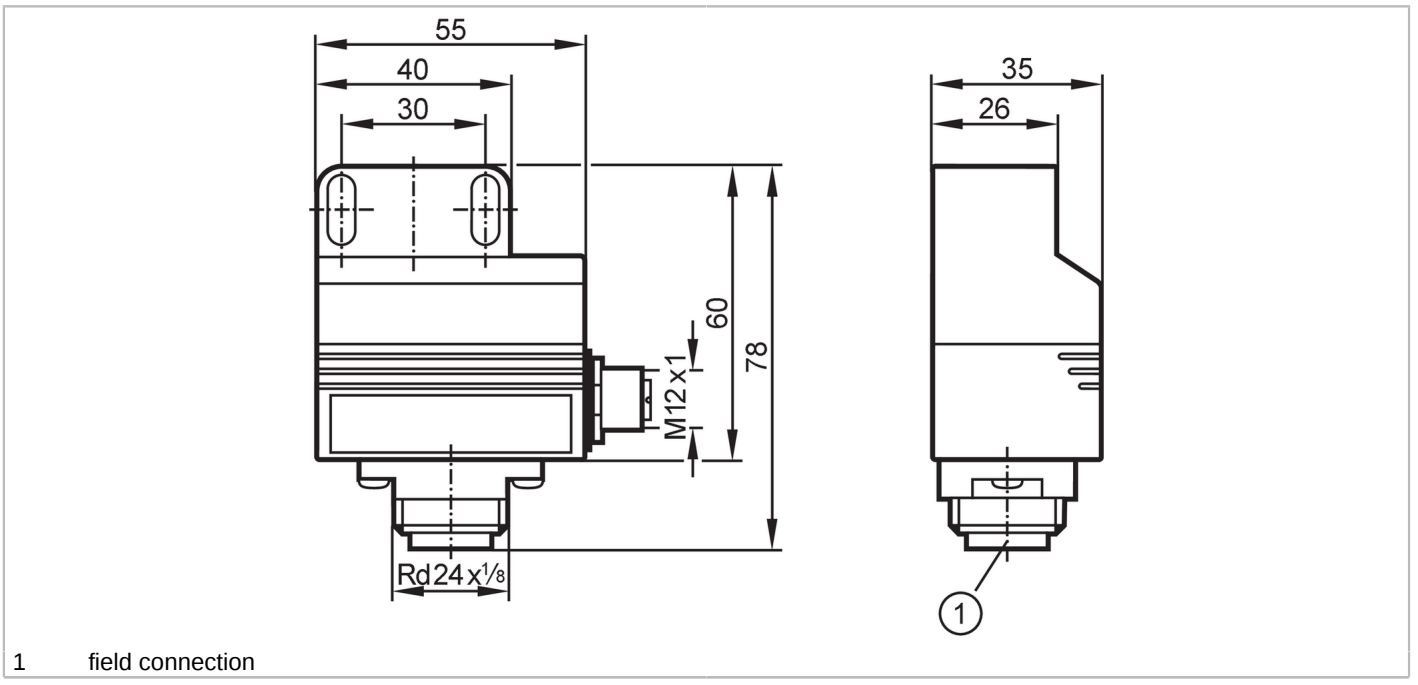
IN5334

Dual inductive sensor for valve actuators

IND3004DBPKG/T2



1 field connection

Product characteristics		
Electrical design		PNP
Output function		2 x normally open
Sensing range	[mm]	4
Housing		rectangular
Dimensions	[mm]	40 x 26 x 60
Application		
Application		position sensor for valve actuators; actuator control; for actuators using standard ISO 5211 (VDI/VDE) mounting
Electrical data		
Operating voltage	[V]	10...36 DC
Current consumption	[mA]	20; (36 V)
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
Output function		2 x normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	250
Switching frequency DC	[Hz]	1300
Short-circuit protection		yes
Type of short-circuit protection		pulsed
Overload protection		yes

IN5334

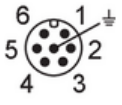
Dual inductive sensor for valve actuators

IND3004DBPKG/T2

Detection zone			
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: 0.5 / aluminium: 0.4 / copper: 0.3	
Hysteresis	[% of Sr]	3...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]	1296	
UL approval		Ta	0...40 °C
		Enclosure type	Type 1
		File number UL	E174191
Mechanical data			
Weight	[g]	171	
Housing		rectangular	
Mounting		non-flush mountable	
Dimensions	[mm]	40 x 26 x 60	
Materials		PBT; PC	
Displays / operating elements			
Display		switching status	2 x LED, yellow
Accessories			
Items supplied		Reinforcement bracket: 1 x (39,5 x 17,5 x 1 mm)	
		socket head screws: 2 x (M5 x 35 mm)	
		washers: 2	
Remarks			
Remarks		Suitable valves: valves according to NAMUR interface up to max. 20 W	
Pack quantity		1 pcs.	

Electrical connection - plug

Connector: 1 x Rd24; coding: A; Contacts: 7

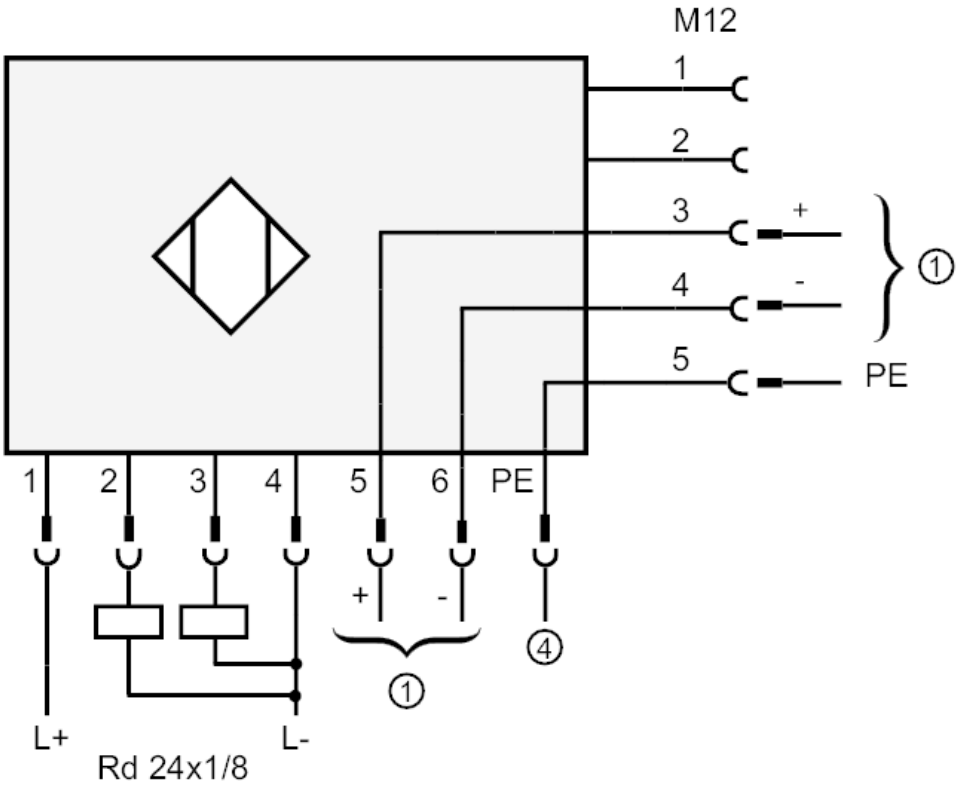


IN5334

Dual inductive sensor for valve actuators

IND3004DBPKG/T2

Connection



1 = solenoid valve 24 V DC / 20 W

Electrical connection - socket

Connector: 1 x M12; coding: A; Contacts: 3

