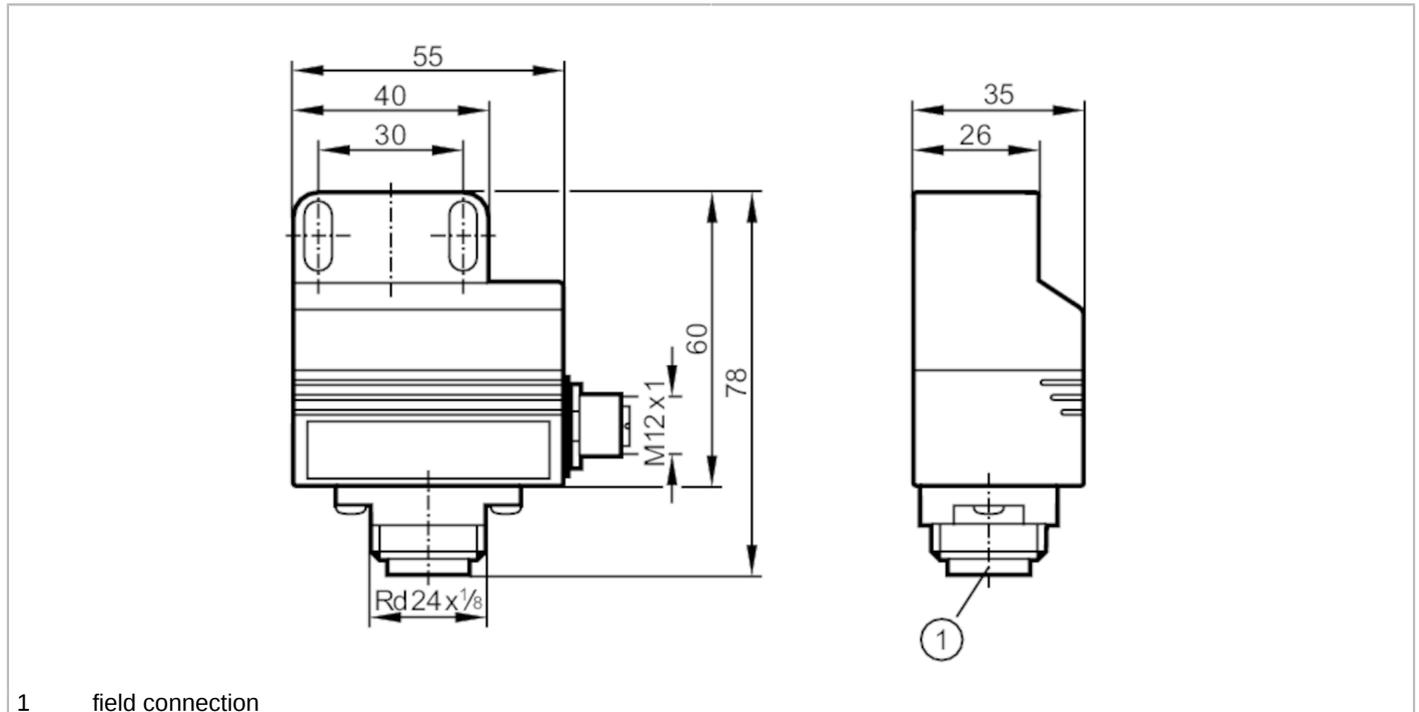


IN5334



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 mechanical interfaces to ISO 5211 (VDI/VDE)
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	yes (non-latching)

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Overload protection	yes
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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: 0.5 / aluminum: 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
Material	PBT; PC

Displays / operating elements

Display	Switching status	2 x LED, yellow
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Accessories

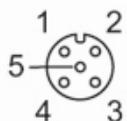
Items supplied	reinforcement bracket: 1 x (39,5 x 17,5 x 1 mm)
	socket head screws: 2 x (M5 x 35 mm)
	washers: 2

Remarks

Remarks	Suitable valves: valves according to NAMUR interface up to max. 20 W
Pack quantity	1 pcs.

Electrical connection - Socket

Connector: 1 x M12; coding: A



IN5334

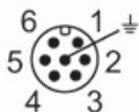


Dual inductive sensor for valve actuators

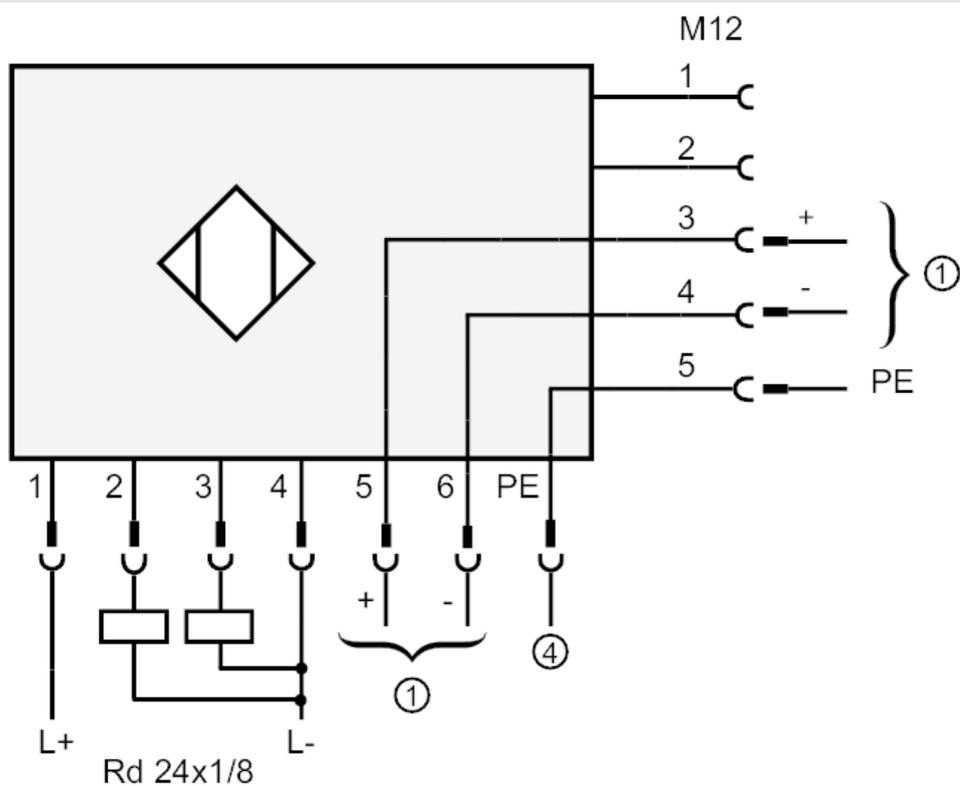
IND3004DBPKG/T2

Electrical connection - plug

Connector: 1 x Rd24; coding: A



Connection



1 = Single solenoid valve 24 V DC / 20 W