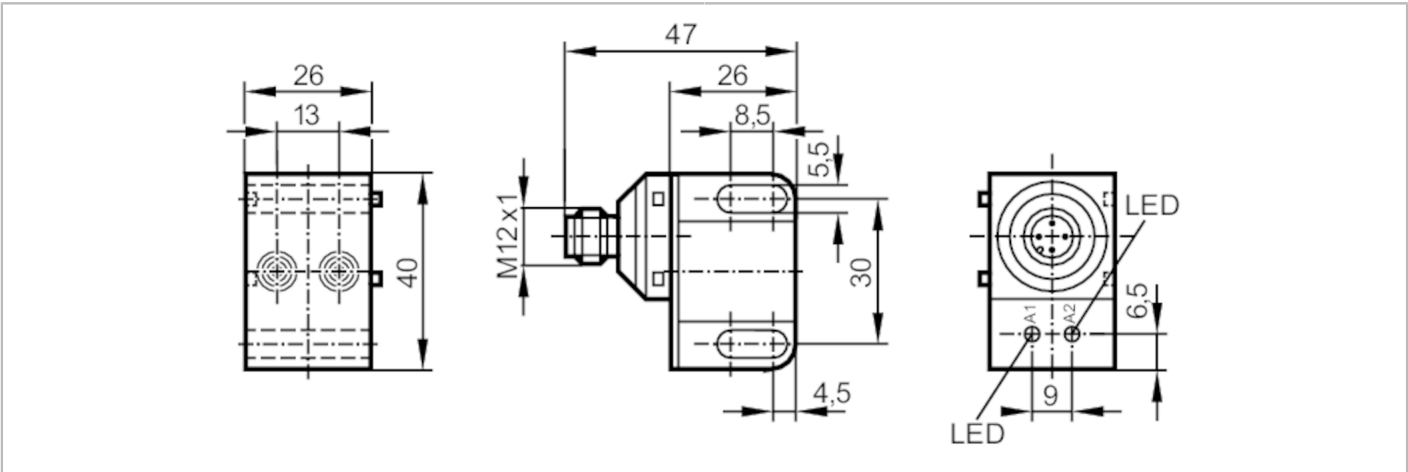


IN5331



Dual inductive sensor for valve actuators

IND2004DARKG/US-100-ZRV RT



Product characteristics	
Electrical design	PNP/NPN
Output function	2 x normally open
Sensing range [mm]	4
Housing	rectangular
Dimensions [mm]	40 x 26 x 47
Electrical data	
Operating voltage [V]	10...36 DC
Protection class	II
Reverse polarity protection	yes
Outputs	
Electrical design	PNP/NPN
Output function	2 x normally open
Max. voltage drop switching output DC [V]	4
Minimum load current [mA]	4
Max. leakage current [mA]	2 x 0.7
Permanent current rating of switching output DC [mA]	250
Switching frequency DC [Hz]	250
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes
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 / aluminum: 0.3 / copper: 0.4

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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	
MTTF	[years]	1229

Mechanical data

Weight	[g]	58.5
Housing		rectangular
Mounting		non-flush mountable
Dimensions	[mm]	40 x 26 x 47
Material		housing: PBT; cover: PC

Displays / operating elements

Display	Switching status	2 x LED, red
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Remarks

Pack quantity		1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A; Moulded body: brass, white bronze coated



Connection

