



Dual inductive sensor for valve actuators

IND3004UBPKG/0,3m/US-100-DPV



Product characteristics

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

Application

System	Magnetic-field immune
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...36 DC
Current consumption [mA]	< 15
Protection class	II
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]	1400
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Monitoring range

Sensing range [mm]	4
Real sensing range S_r [mm]	$4 \pm 10\%$
Operating distance [mm]	0...3.25



Dual inductive sensor for valve actuators

IND3004UBPKG/0,3m/US-100-DPV

Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.7 / brass: 0.5 / aluminum: 0.4 / copper: 0.3	
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	
MTTF	[years]	1070
Mechanical data		
Weight	[g]	74.5
Housing	rectangular	
Mounting	non-flush mountable	
Dimensions	[mm]	40 x 26 x 26
Material	PC	
Displays / operating elements		
Display	Switching status	2 x LED, yellow
Remarks		
Pack quantity	1 pcs.	
Electrical connection - plug		
Cable: 0.3 m, PVC; 4 x 0.34 mm²		
Connector: 1 x M12; coding: A		
		

IN5377



Dual inductive sensor for valve actuators

IND3004UBPKG/0,3m/US-100-DPV

Connection



Core colors :
BN = brown
BU = blue
BK = black
WH = white