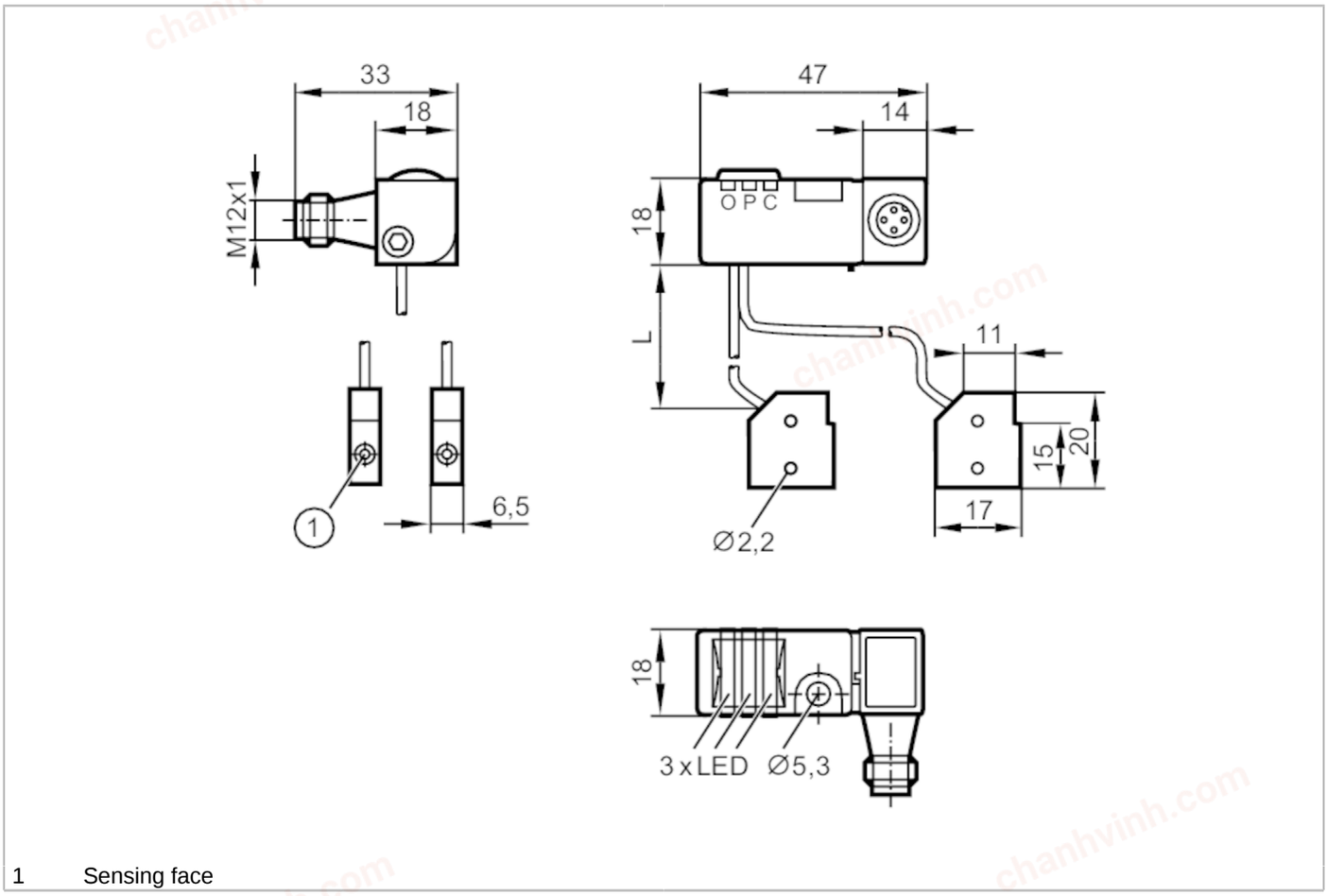
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IN5456

Inductive sensor

INS3002DBPKG/US-100-YPS/S6A/05



1 Sensing face

CE

Product characteristics		
Electrical design		PNP
Output function		2 x normally open
Sensing range	[mm]	2
Housing		rectangular
Application		
Special feature		Magnetic-field immune
Magnetic-field immune		yes
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	15; (24 V)
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

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Permanent current rating of switching output DC [mA]	200	
Switching frequency DC [Hz]	25	
Short-circuit protection	yes	
Type of short-circuit protection	pulsed	
Overload protection	yes	
Detection zone		
Sensing range [mm]	2	
Real sensing range Sr [mm]	2 ± 10 %	
Operating distance [mm]	0...1.62	
Accuracy / deviations		
Correction factor	steel: 1 / stainless steel: 0.85 / aluminium: 0.4 / copper: 0.3	
Switch point drift [% of Sr]	-10...10	
Operating conditions		
Ambient temperature [°C]	-25...70	
Protection	IP 67	
Tests / approvals		
EMC	IEC61000	
Mechanical data		
Weight [g]	58	
Housing	rectangular	
Mounting	non-flush mountable	
Materials	housing: ABS	
Length L [mm]	50	
Displays / operating elements		
Display	switching status	1 x LED, yellow sensor 1
	switching status	1 x LED, red sensor 2
	operation	LED, green
Remarks		
Pack quantity	1 pcs.	
Electrical connection		

Connector: 1 x M12; coding: A



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Connection

