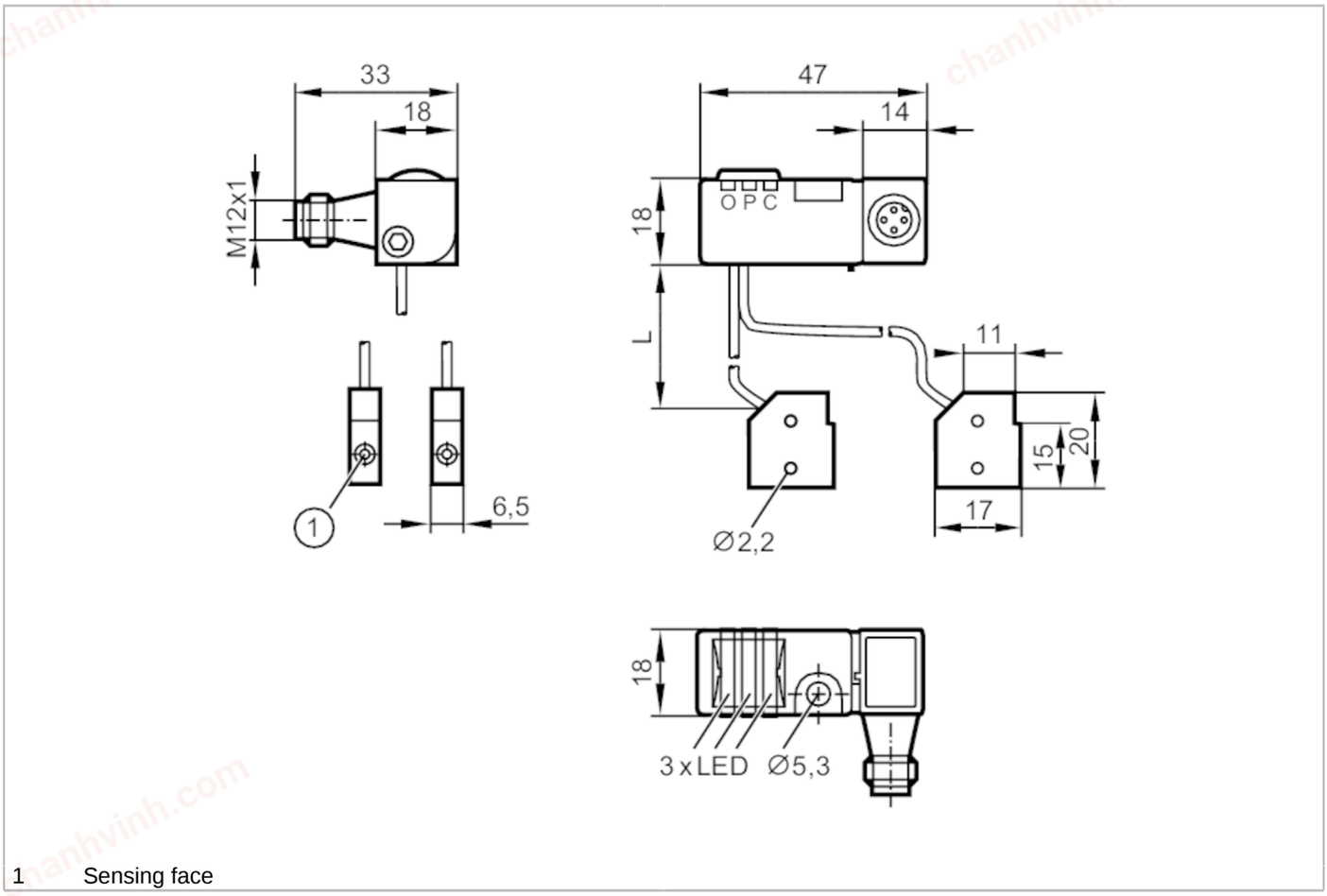
chanhvinh.com

IN5459

Inductive sensor

INS3002DBPKG/US-100-YPS/S6A/20



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

chanhvinh.com

IN5459

Inductive sensor

INS3002DBPKG/US-100-YPS/S6A/20

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]		59.5
Housing		rectangular
Mounting		non-flush mountable
Materials		housing: ABS
Length L [mm]		200
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



chanhvinh.com

IN5459

Inductive sensor

INS3002DBPKG/US-100-YPS/S6A/20

Connection

