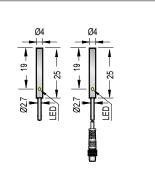
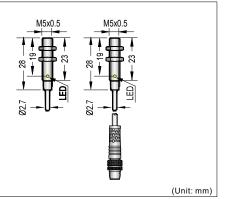


- Features Ø4mm diameter M5mm diameter
- Sn=5mm,shielded
- Stainless steel housing case
- NPN, PNP Output
- NO,NC,Function
- Cable version M8 Pigtail version
- Short circuit protection
 Overload protection Reverse polarity protection
- IP67 Protection





(Unit:	mm
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	C€	Shielded		Shielded	
		Unipolar Hall Sensor	Omnipolar Hall Sensor	Unipolar Hall Sensor	Omnipolar Hall Sensor
	NPN-NO	G1DU04C05A	G1DR04C05A	G1CU05C05A	G1CR05C05A
	NPN-NC	G1DU04D05A	G1DR04D05A	G1CU05D05A	G1CR05D05A
	PNP-NO	G1DU04A05A	G1DR04A05A	G1CU05A05A	G1CR05A05A
2m Cable	PNP-NC	G1DU04B05A	G1DR04B05A	G1CU05B05A	G1CR05B05A
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
	NPN-NO	G1DU04C05N	G1DR04C05N	G1CU05C05N	G1CR05C05N
	NPN-NC	G1DU04D05N	G1DR04D05N	G1CU05D05N	G1CR05D05N
	PNP-NO	G1DU04A05N	G1DR04A05N	G1CU05A05N	G1CR05A05N
M8 Pigtail	PNP-NC	G1DU04B05N	G1DR04B05N	G1CU05B05N	G1CR05B05N
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
General Data					
Housing size Ø4mm M5mm		imm			

General Data		
Housing size	Ø4mm	M5mm
Installation type	Shielded	Shielded
Sensing distance(Sn: mm)	5mm	5mm
Standard sensing object	Magnet	Magnet
Effective sensing distance (Sr: mm)	97 103% of Sn	97 103% of Sn
Assured operating distance(Sa: mm)	80% of Sn	80% of Sn
Hysteresis	<15%	<15%
Housing material	Stainless steel	Stainless steel
Operating voltage 10 30VDC(55VDC can also be customized)		10 30VDC(55VDC can also be customized)
Electrical Data		

•	[1]	
Operating voltage 10 30VDC(55VDC can also be customized)		10 30VDC(55VDC can also be customized)
Electrical Data		
Rated operating voltage	24VDC	24VDC
Repeated accuracy	±10%	±10%
Ripple	<10%	<10%
No load current	<15mA	<15mA
Max. Load current	200mA	200mA
Leakage current	<0.01mA	<0.01mA
Voltage drop	<2.0VDC	<2.0VDC
Switching frequency	5000Hz	5000Hz
Response time	0.1ms/0.1ms	0.1ms/0.1ms
Rated insulation voltage	75VDC	75VDC
Operating temperature	-25°C +70°C	-25°C +70°C
Storage temperature	-25°C +80°C	-25°C +80°C
Temperature drift	<10%	<10%
Power indicator	No	No
Function indicator	Yellow LED	Yellow LED
Reverse polarity protection	Yes	Yes
Short-circuit protection	Yes	Yes
Overload trip point	220mA	220mA
Mechanical Data		
Mechanical Data		

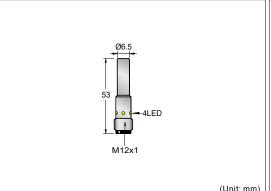
Overload trip point	220mA	220mA					
Mechanical Data	Mechanical Data						
Sensing surface material	POM	POM					
Protection	IP67	IP67					
Shock rating	Shock, half-sinus, 30gn, 11ms	Shock, half-sinus, 30gn, 11ms					
Vibration rating	55Hz, 1mm ampl., 3x30min.	55Hz, 1mm ampl., 3x30min.					
EMC	IEC 60947-5-2	IEC 60947-5-2					
Accessary	1	2 nuts					
Connection	2m PVC cable (Ø2.7 3x0.15mm²)/300mm 3 Pin M8 Pigtail	2m PVC cable (Ø2.7 3x0.15mm²)/300mm 3 Pin M8 Pigtail					
Weight Approx. 25g		Approx. 25g					

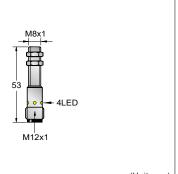
M-01

www.sensongsensor.com



- Features Ø6.5mm diameter M8mm diameter
- Sn=10mm,shielded
- Stainless steel housing case
- NPN, PNP Output
- NO,NC, Function
- Cable version M12 Connector version
- Short circuit protection Overload protection Reverse polarity protection





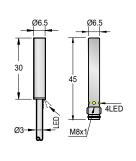
■ IP67 Protection			(Unit: mm)	(Unit: mm)	
	C€	Shi	ielded	Shio	elded
		Unipolar Hall Sensor	Omnipolar Hall Sensor	Unipolar Hall Sensor	Omnipolar Hall Sensor
	NPN-NO	G1DU6.5C10H	G1DR6.5C10H	G1CU08C10H	G1CR08C10H
	NPN-NC	G1DU6.5D10H	G1DR6.5D10H	G1CU08D10H	G1CR08D10H
	PNP-NO	G1DU6.5A10H	G1DR6.5A10H	G1CU08A10H	G1CR08A10H
M12 Connector	PNP-NC	G1DU6.5B10H	G1DR6.5B10H	G1CU08B10H	G1CR08B10H
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
General Data					
Housing size		Ø6	.5mm	M8mm	
Installation type		Sh	ielded	Shie	elded
Sensing distance(S	Sn: mm)		Omm		mm
		NA.		M-	

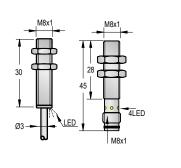
ochang distance(on: min)	Total	Tomin
Standard sensing object	Magnet	Magnet
Effective sensing distance (Sr: mm)	97 103% of Sn 97 103% of Sn	
Assured operating distance(Sa: mm)	80% of Sn	80% of Sn
Hysteresis	<15%	<15%
Housing material	Stainless steel	Stainless steel
Operating voltage	10 30VDC(55VDC can also be customized)	10 30VDC(55VDC can also be customized)
Electrical Data		
Rated operating voltage	24VDC	24VDC
Repeated accuracy	±10%	±10%
Ripple	<10%	<10%
No load current	<15mA	<15mA
Max. Load current	200mA	200mA
Leakage current	<0.01mA	<0.01mA
Voltage drop	<2.0VDC	<2.0VDC
Switching frequency	5000Hz	5000Hz
Response time	0.1ms/0.1ms	0.1ms/0.1ms
Rated insulation voltage	75VDC	75VDC
Operating temperature	-25°C +70°C	-25°C +70°C
Storage temperature	-25°C +80°C	-25°C +80°C
Temperature drift	<10%	<10%
Power indicator	No	No
Function indicator	Yellow LED	Yellow LED
Reverse polarity protection	Yes	Yes
Short-circuit protection	Yes	Yes
Overload trip point	220mA	220mA

Function indicator Yellow LED		Yellow LED
Reverse polarity protection	Yes	Yes
Short-circuit protection	Yes	Yes
Overload trip point	220mA	220mA
Mechanical Data		
Sensing surface material	PBT	PBT
Protection	IP67	IP67
Shock rating	Shock, half-sinus, 30gn, 11ms	Shock, half-sinus, 30gn, 11ms
Vibration rating	55Hz, 1mm ampl., 3x30min.	55Hz, 1mm ampl., 3x30min.
EMC	IEC 60947-5-2	IEC 60947-5-2
Accessary	I	2 nuts
Connection	Euro-style 4 Pin M12 connector	Euro-style 4 Pin M12 connector
Weight	Approx. 15g	Approx. 16g
,		
	M-02	www.sensongsensor.com



- Features Ø6.5mm diameter M8mm diameter
- Sn=10mm,shielded
- Stainless steel housing case
- NPN, PNP Output
- NO,NC, Function
- Cable version M8 Connector version
- Short circuit protection Overload protection
 Reverse polarity protection
- IP67 Protection





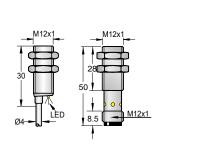
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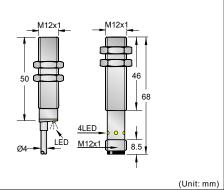
• 1P67 Protection		(Unit: mm)		(Unit: mm)		
		Shi	elded	Shielded		
		Unipolar Hall Sensor	Omnipolar Hall Sensor	Unipolar Hall Sensor	Omnipolar Hall Sensor	
	NPN-NO	G1DU6.5C10A	G1DR6.5C10A	G1CU08C10A	G1CR08C10A	
	NPN-NC	G1DU6.5D10A	G1DR6.5D10A	G1CU08D10A	G1CR08D10A	
	PNP-NO	G1DU6.5A10A	G1DR6.5A10A	G1CU08A10A	G1CR08A10A	
2m Cable	PNP-NC	G1DU6.5B10A	G1DR6.5B10A	G1CU08B10A	G1CR08B10A	
	NPN-NO+NC					
	PNP-NO+NC					
	NPN/PNP-NO+NC					
	NPN-NO	G1DU6.5C10F	G1DR6.5C10F	G1CU08C10F	G1CR08C10F	
	NPN-NC	G1DU6.5D10F	G1DR6.5D10F	G1CU08D10F	G1CR08D10F	
	PNP-NO	G1DU6.5A10F	G1DR6.5A10F	G1CU08A10F	G1CR08A10F	
M8 Connector	PNP-NC	G1DU6.5B10F	G1DR6.5B10F	G1CU08B10F	G1CR08B10F	
	NPN-NO+NC					
	PNP-NO+NC					
	NPN/PNP-NO+NC					
General Data			<u>'</u>			
Housing size		Ø6	5mm	М	8mm	
Installation type		Shi	elded	Sh	ielded	
Sensing distance((Sn: mm)	10	0mm	11	0mm	
Standard sensing	object	Ma	ignet	Ma	agnet	
Effective sensing	distance (Sr: mm)	97 10	03% of Sn	97 1	03% of Sn	
	g distance(Sa: mm)		of Sn		% of Sn	
Hysteresis	, , , , , , , , , , , , , , , , , , ,		15%		15%	
Housing material			Stainless steel		ess steel	
Operating voltage		10 30VDC(55VDC can also be customized)			C can also be customized)	
Electrical Data			, , , , , , , , , , , , , , , , , , , ,			
Rated operating v	roltage	24	VDC	24	IVDC	
Repeated accurac			10%		10%	
Ripple	-		10%		10%	
No load current			5mA		15mA	
Max. Load current	+		200mA		00mA	
Leakage current	<u> </u>	<0.01mA			01mA	
		<2.0VDC			0VDC	
Voltage drop Switching frequence					00Hz	
	licy	5000Hz 0.1ms/0.1ms				
Response time	ralta a a	75VDC			s/0.1ms SVDC	
Rated insulation v		75VDC -25°C +70°C			+70°C	
Operating temperate			+70°C		+70°C +80°C	
Storage temperatu	uic					
Temperature drift			10%		10% No.	
Power indicator			No		No	
Function indicator			w LED		ow LED	
Reverse polarity p			/es	Yes		
Short-circuit protection			/es		Yes	
Overload trip point		22	0mA	22	20mA	
Mechanical Data						
Sensing surface m	naterial		ВТ		PBT	
Protection			267		P67	
Shock rating			nus, 30gn, 11ms		nus, 30gn, 11ms	
Vibration rating			ampl., 3x30min.		ampl., 3x30min.	
EMC		IEC 60	0947-5-2	IEC 6	0947-5-2	
Accessary			1	2	nuts	
Connection		2m PVC cable (Ø3 3x0.15mm	²)/Pico-style 3 Pin M8 connector	2m PVC cable (Ø3 3x0.15mm	²)/Pico-style 3 Pin M8 connector	
Weight		A =====	. 35g/15g	Annro	c. 36g/16g	



- Features M12mm diameter
- Sn=10mm,shielded
- Stainless steel housing case

- NPN, PNP Output
 NPN, PNP Output
 Cable version
 M12 Connector version
 Short circuit protection
 Overload protection Reverse polarity protection
- IP67 Protection





(Unit: mm)

	C€	Shielded		Shielded	
		Unipolar Hall Sensor	Omnipolar Hall Sensor	Unipolar Hall Sensor	Omnipolar Hall Sensor
	NPN-NO	G1CU12C10A	G1CR12C10A	G1CW12C10A	G1CK12C10A
	NPN-NC	G1CU12D10A	G1CR12D10A	G1CW12D10A	G1CK12D10A
	PNP-NO	G1CU12A10A	G1CR12A10A	G1CW12A10A	G1CK12A10A
2m Cable	PNP-NC	G1CU12B10A	G1CR12B10A	G1CW12B10A	G1CK12B10A
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
	NPN-NO	G1CU12C10H	G1CR12C10H	G1CW12C10H	G1CK12C10H
	NPN-NC	G1CU12D10H	G1CR12D10H	G1CW12D10H	G1CK12D10H
	PNP-NO	G1CU12A10H	G1CR12A10H	G1CW12A10H	G1CK12A10H
M12 Connector	PNP-NC	G1CU12B10H	G1CR12B10H	G1CW12B10H	G1CK12B10H
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
General Data				,	

				G1CW12D10H G1CK12D10H G1CW12A10H G1CK12A10H G1CW12B10H G1CK12B10H M12mm Shielded 10mm Magnet 97 103% of Sn 80% of Sn <15% Stainless steel 10 30VDC(55VDC can also be customized)	
	NPN-NC	G1CU12D10H	G1CR12D10H	G1CW12D10H	G1CK12D10H
	PNP-NO	G1CU12A10H	G1CR12A10H	G1CW12A10H	G1CK12A10H
M12 Connector	PNP-NC	G1CU12B10H	G1CR12B10H	G1CW12B10H	G1CK12B10H
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
General Data					
Housing size		M12	2mm	M12	2mm
Installation type		Shie	elded	Shie	elded
Sensing distance(Sn: mm)	10	mm	10r	mm
Standard sensing	object	Має	gnet	Мад	gnet
Effective sensing of	distance (Sr: mm)	97 10	3% of Sn	97 103	3% of Sn
Assured operating	g distance(Sa: mm)	80%	of Sn	80%	of Sn
Hysteresis		<1:	5%	<1!	5%
Housing material		Stainle	ss steel	Stainles	ss steel
Operating voltage		10 30VDC(55VDC	can also be customized)	10 30VDC(55VDC	can also be customized)
Electrical Data					
Rated operating vo	oltage	24VDC		24VDC	
Repeated accurac	СУ	±10%		±10	0%
Ripple		<10%		<10	0%
No load current		<15mA		<15	imA
Max. Load current	t	200)mA	200	lmA
Leakage current		<0.0	1mA	<0.0	1mA
Voltage drop		<2.0VDC		<2.0	VDC
Switching frequence	су	5000Hz		500	0Hz
Response time		0.1ms/0.1ms		0.1ms/	/0.1ms
Rated insulation vo	oltage	75VDC		75\	/DC
Operating tempera	ature	-25°C	+70°C	-25°C	. +70°C
Storage temperatu	ure	-25°C	+80°C	-25°C	. +80°C
Temperature drift		<1	0%	<10	0%
Power indicator		N	lo	N	lo
Function indicator		Yellov	Yellow LED		v LED
Reverse polarity p	rotection	Yes		Ye	es
Short-circuit protect	ction	Y	es	Ye	es
Overload trip point	t	220)mA	220	lmA
Mechanical Data					
Sensing surface m	naterial	PE	ВТ	PE	ВТ
Protection		IP	67	IP67	

Yes	Yes
220mA	220mA
PBT	PBT
IP67	IP67
Shock, half-sinus, 30gn, 11ms	Shock, half-sinus, 30gn, 11ms
55Hz, 1mm ampl., 3x30min.	55Hz, 1mm ampl., 3x30min.
IEC 60947-5-2	IEC 60947-5-2
2 nuts	2 nuts
2m PVC cable (Ø4 3x0.25mm²)/Euro-style 4 Pin M12 connector	2m PVC cable (Ø4 3x0.25mm²)/Euro-style 4 Pin M12 connector
Approx. 62g/26g	Approx. 67g/31g
	220mA PBT IP67 Shock, half-sinus, 30gn, 11ms 55Hz, 1mm ampl., 3x30min. IEC 60947-5-2 2 nuts 2m PVC cable (Ø4 3x0.25mm²)/Euro-style 4 Pin M12 connector

M-04