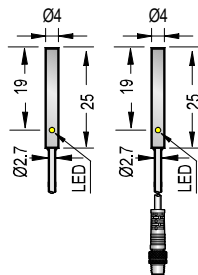
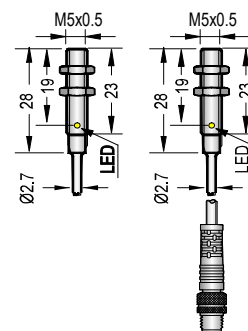


**Features**

- 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)

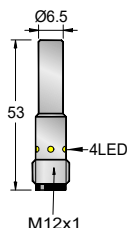


(Unit: mm)

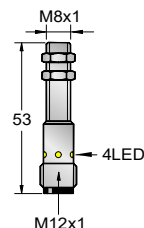
<div>CE</div>		Shielded		Shielded	
		Unipolar Hall Sensor	Omnipolar Hall Sensor	Unipolar Hall Sensor	Omnipolar Hall Sensor
2m Cable	NPN-NO	G1DU04C05A	G1DR04C05A	G1CU05C05A	G1CR05C05A
	NPN-NC	G1DU04D05A	G1DR04D05A	G1CU05D05A	G1CR05D05A
	PNP-NO	G1DU04A05A	G1DR04A05A	G1CU05A05A	G1CR05A05A
	PNP-NC	G1DU04B05A	G1DR04B05A	G1CU05B05A	G1CR05B05A
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
M8 Pigtail	NPN-NO	G1DU04C05N	G1DR04C05N	G1CU05C05N	G1CR05C05N
	NPN-NC	G1DU04D05N	G1DR04D05N	G1CU05D05N	G1CR05D05N
	PNP-NO	G1DU04A05N	G1DR04A05N	G1CU05A05N	G1CR05A05N
	PNP-NC	G1DU04B05N	G1DR04B05N	G1CU05B05N	G1CR05B05N
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
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					
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					
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	
Accessory		/		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	

**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)



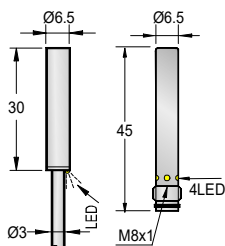
(Unit: mm)

		Shielded		Shielded	
		Unipolar Hall Sensor	Omnipolar Hall Sensor	Unipolar Hall Sensor	Omnipolar Hall Sensor
M12 Connector	NPN-NO	G1DU6.5C10H	G1DR6.5C10H	G1CU08C10H	G1CR08C10H
	NPN-NC	G1DU6.5D10H	G1DR6.5D10H	G1CU08D10H	G1CR08D10H
	PNP-NO	G1DU6.5A10H	G1DR6.5A10H	G1CU08A10H	G1CR08A10H
	PNP-NC	G1DU6.5B10H	G1DR6.5B10H	G1CU08B10H	G1CR08B10H
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				

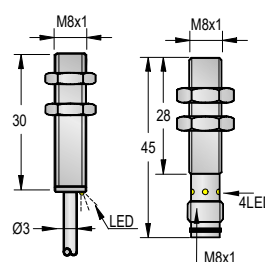
General Data		
Housing size	Ø6.5mm	M8mm
Installation type	Shielded	Shielded
Sensing distance(Sn: mm)	10mm	10mm
Standard sensing object	Magnet	Magnet
Effective sensing distance (Sr: mm)	97 ... 103% of Sn	97 ... 103% of Sn
Assured operating distance(Sa: mm)	80% of Sn	80% of Sn
Hysteresis	<15%	<15%
Housing 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
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
Accessory	/	2 nuts
Connection	Euro-style 4 Pin M12 connector	Euro-style 4 Pin M12 connector
Weight	Approx. 15g	Approx. 16g

**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



(Unit: mm)

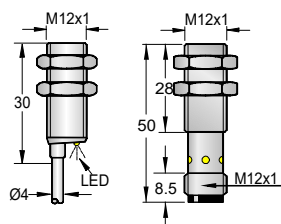


(Unit: mm)

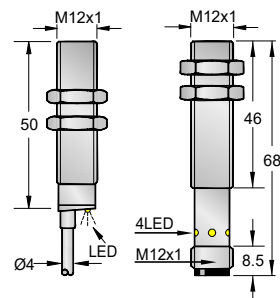
<div>CE</div>		Shielded		Shielded	
		Unipolar Hall Sensor	Omnipolar Hall Sensor	Unipolar Hall Sensor	Omnipolar Hall Sensor
2m Cable	NPN-NO	G1DU6.5C10A	G1DR6.5C10A	G1CU08C10A	G1CR08C10A
	NPN-NC	G1DU6.5D10A	G1DR6.5D10A	G1CU08D10A	G1CR08D10A
	PNP-NO	G1DU6.5A10A	G1DR6.5A10A	G1CU08A10A	G1CR08A10A
	PNP-NC	G1DU6.5B10A	G1DR6.5B10A	G1CU08B10A	G1CR08B10A
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
M8 Connector	NPN-NO	G1DU6.5C10F	G1DR6.5C10F	G1CU08C10F	G1CR08C10F
	NPN-NC	G1DU6.5D10F	G1DR6.5D10F	G1CU08D10F	G1CR08D10F
	PNP-NO	G1DU6.5A10F	G1DR6.5A10F	G1CU08A10F	G1CR08A10F
	PNP-NC	G1DU6.5B10F	G1DR6.5B10F	G1CU08B10F	G1CR08B10F
	NPN-NO+NC				
	PNP-NO+NC				
	NPN/PNP-NO+NC				
General Data					
Housing size		Ø6.5mm		M8mm	
Installation type		Shielded		Shielded	
Sensing distance(Sn: mm)		10mm		10mm	
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	
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	
Accessory		/		2 nuts	
Connection		2m PVC cable (Ø3 3x0.15mm²)/Pico-style 3 Pin M8 connector		2m PVC cable (Ø3 3x0.15mm²)/Pico-style 3 Pin M8 connector	
Weight		Approx. 35g/15g		Approx. 36g/16g	

**Features**

- M12mm diameter
- Sn=10mm, shielded
- Stainless steel housing case
- NPN, PNP Output
- NO, NC, NO+NC Function
- Cable version
- M12 Connector version
- Short circuit protection
- Overload protection
- Reverse polarity protection
- IP67 Protection



(Unit: mm)



(Unit: mm)

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

General Data		
Housing size	M12mm	M12mm
Installation type	Shielded	Shielded
Sensing distance(Sn: mm)	10mm	10mm
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
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
Accessory	2 nuts	2 nuts
Connection	2m PVC cable (Ø4 3x0.25mm ²)/Euro-style 4 Pin M12 connector	2m PVC cable (Ø4 3x0.25mm ²)/Euro-style 4 Pin M12 connector
Weight	Approx. 62g/26g	Approx. 67g/31g