

GLS 126 NT

Technical data



FEATURES

- ▶ Very high repetitive accuracy of 0.5 mm
- ▶ Immunity to smoke, dust and dirt thanks to high light reserve
- ▶ Easy mounting
- ▶ Ready to install cable and plug available
- ▶ Can be made to customer's specifications
- ▶ Impressive price-performance ratio

GLS	126 NT ¹	126 NT-HCL ²	126 NT-MV ³
ELECTRICAL			
Supply voltage U _{SP}	10 ... 30 VDC	10 ... 30 VDC	12 ... 60 VDC
Max. current consumption (without load)	40 mA	30 mA	30 mA
Outputs (short-circuit-proof)	PNP/NPN	NPN	PNP
Max. output current	120 mA	200 mA	200 mA
Output saturation voltage			
- NPN (I _L = 100 mA)	< 0.5 V	< 0.5 V	
- PNP (I _L = 100 mA)	< 2.0 V		< 0.5 V
Max. capacitive load	100 nF	1,000 µF	10 µF
Max. response time	1 ms	1 ms	1 ms
Max. repetitive accuracy	0.5 mm	0.5 mm	0.5 mm
Max. hysteresis	1 mm	1 mm	1 mm
MECHANICAL AND OPTICAL			
Fork gap	26 mm	26 mm	26 mm
Min. light reserve	5,000%	5,000%	2,500%
Max. ambient light	100,000 Lux	100,000 Lux	100,000 Lux
Housing material	ABS	ABS	ABS
Enclosure rating	IP66	IP66	IP66
Temperature range	-20 °C ... +60 °C	-20 °C ... +60 °C	-20 °C ... +60 °C
CONNECTION CABLE AND ELECTRICAL CONNECTION			
Cable length	0.2 / 2 / 3.5 / 5 m	0.2 / 2 / 3.5 / 5 m	0.2 / 2 / 3.5 / 5 m
Diameter	Ø 5 mm	Ø 5 mm	Ø 5 mm
Wires	AWG24	AWG24	AWG24
• brown	U _{SP}	U _{SP}	U _{SP}
• blue	GND (0 V)	GND (0 V)	GND (0 V)
• black	Output	Output	Output
GENERAL			
EMC emission	EN 12015:2014	EN 12015:2014	EN 12015:2014
EMC immunity	EN 12016:2013	EN 12016:2013	EN 12016:2013
Vibration	IEC 60068-2-6:2007	IEC 60068-2-6:2007	IEC 60068-2-6:2007
Shock	IEC 60068-2-27:2008	IEC 60068-2-27:2008	IEC 60068-2-27:2008
RoHS	2011/65/EU	2011/65/EU	2011/65/EU
Certificates	CE, CSA	CE, CSA	CE, CSA

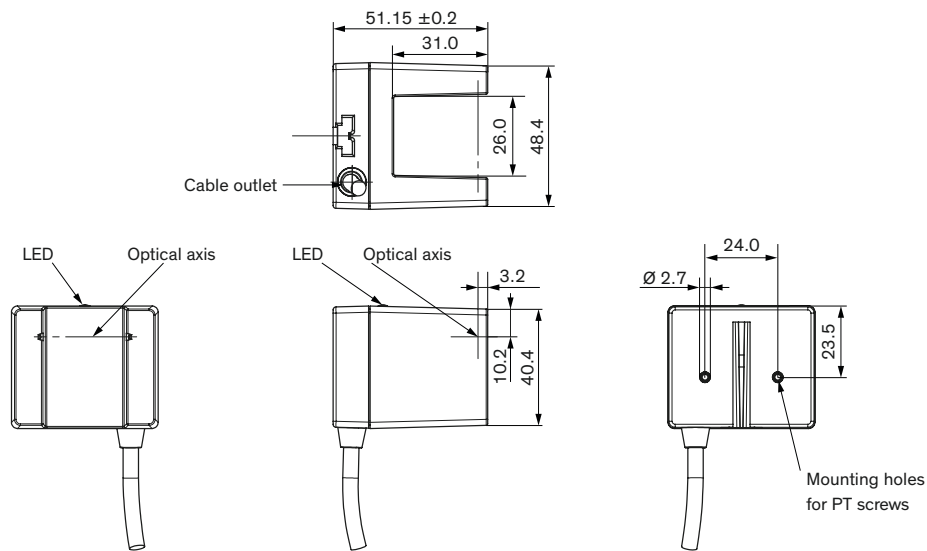
1 = New Technology 2 = High Capacitive Load 3 = Medium Voltage



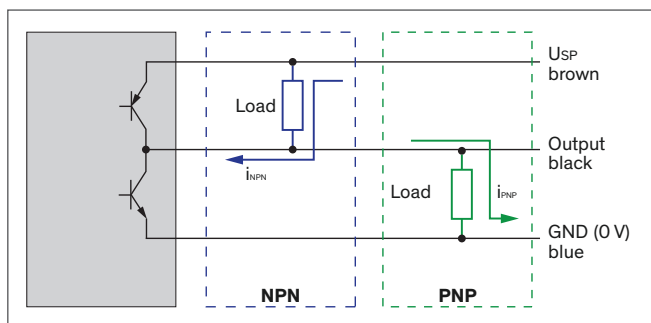
CEDES AG is certified according to ISO 9001: 2015.

Dimensions

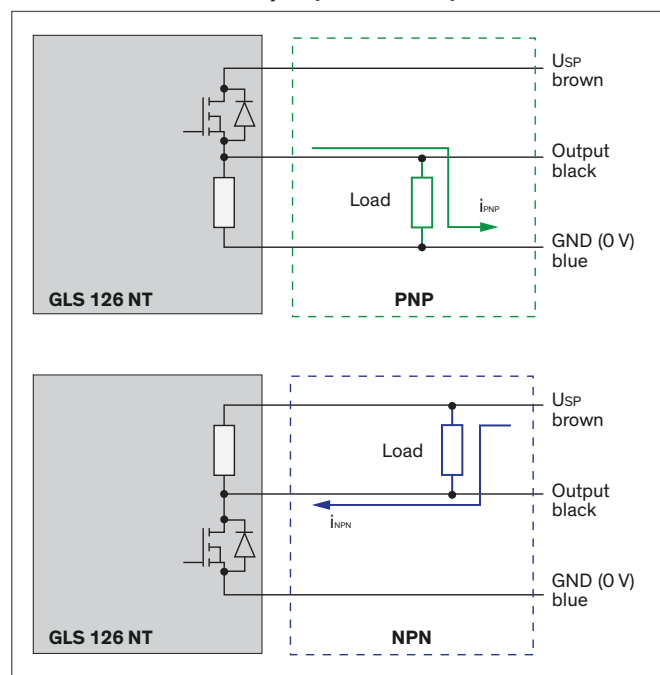
All dimensions in mm
Proportions not to scale



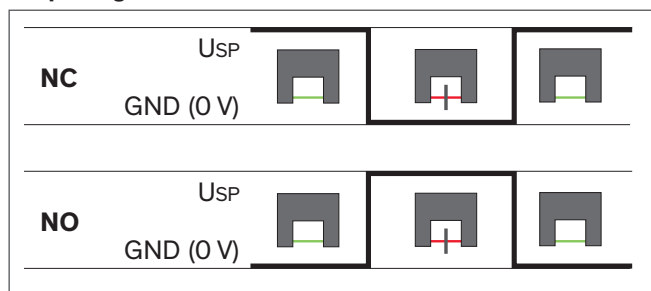
Connections - PNP/NPN



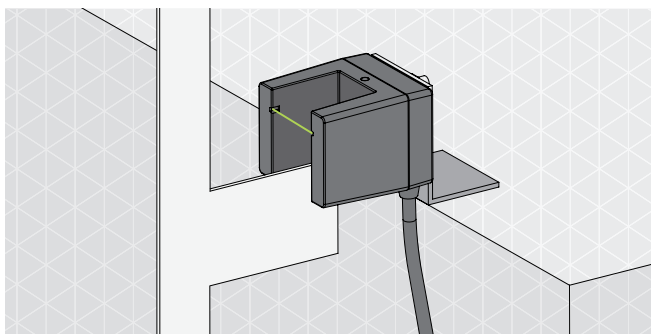
GLS with SmartFET output (PNP or NPN)



Output logic



Application example



Floor levelling