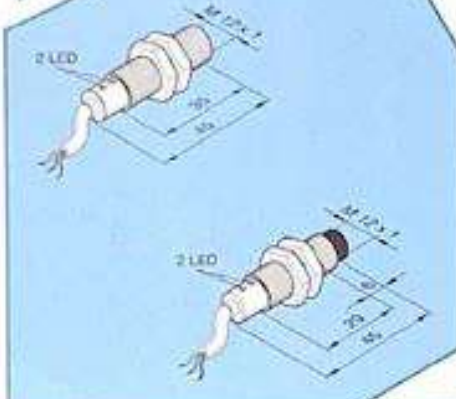


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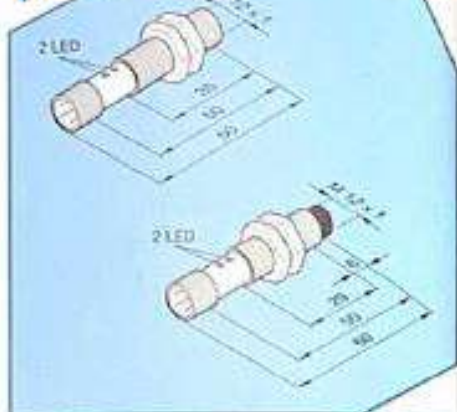


**DC-Program
Series GL
Cylindrical Housing
10 V – 60 V, 400 mA
2 LEDs for operating voltage
and switched output state**

M 12



M 12



Rated operating distance	2 mm	4 mm
Mounting application	embeddable	non embeddable
Switching element function		
Order No.	9982-4000 PNP 9982-4100 NPN	9982-4200 PNP 9982-4300 NPN
Switching element function		
Order No.	9982-4400 PNP 9982-4500 NPN	9982-4600 PNP 9982-4700 NPN
Usable supply voltage	10 V ... 60 V DC	
Ripple voltage	≤ 10 %	
No load supply current	≤ 10 mA	
Rated operational current	400 mA	
Voltage drop	≤ 2,4 V	
Off-state current	≤ 10 µA	
Short circuit protection	●	
Overload protection	●	
Reverse battery protection	●	
Wire break resistance	●	
Operating frequency	2000 Hz	1000 Hz
Differential travel (hysteresis)	≤ 15 %	
Temperature drift	≤ 10 %	
Repeat accuracy	≤ 10 %	
Housing material	Nickel-plated brass	
Front cap	PBTP	
Termination	Cable (3 x 0,34 mm²)	
PVC 2 m / 5 m	xxxx-xx00 / xxxx-xx02	
PUR 2 m / 5 m	xxxx-xx10 / xxxx-xx12	
Degree of protection (IEC 529/EN 60529)	IP 67	
Ambient air temperature	-25 °C ... +70 °C	
LED	2 LED	
Wiring Diagrams		

Rated operating distance	2 mm	4 mm
Mounting application	embeddable	non embeddable
Switching element function		
Order No.	9982-4065 PNP 9982-4165 NPN	9982-4265 PNP 9982-4365 NPN
Switching element function		
Order No.	9982-4465 PNP 9982-4565 NPN	9982-4665 PNP 9982-4765 NPN
Usable supply voltage	10 V ... 60 V DC	
Ripple voltage	≤ 10 %	
No load supply current	≤ 10 mA	
Rated operational current	400 mA	
Voltage drop	≤ 2,4 V	
Off-state current	≤ 10 µA	
Short circuit protection	●	
Overload protection	●	
Reverse battery protection	●	
Wire break resistance	●	
Operating frequency	2000 Hz	1000 Hz
Differential travel (hysteresis)	≤ 15 %	
Temperature drift	≤ 10 %	
Repeat accuracy	≤ 10 %	
Housing material	Nickel-plated brass	
Front cap	PBTP	
Termination	M 12 plug connection	
PVC 2 m / 5 m	-	
PUR 2 m / 5 m	-	
Degree of protection (IEC 529/EN 60529)	IP 67	
Ambient air temperature	-25 °C ... +70 °C	
LED	2 LED	
Wiring Diagrams		