SN02X12-732L-MC2464 (Order no. 128449)

Technical data

Approvals

Workspace

Rated operating distances S_n	5 mm
Assured operating distances S_a	0 ... 4 mm (Dimension applies only to steel (ST37) and to EUCHNER trip dogs of series UX.. / GX..)
Center offset	
at s = 2 mm read distance	m_{OFF}= (–) 3.3 mm and m_{ON}= (–) 3.0 (for side approach)
at s = 1 mm read distance	m_{OFF}= (–) 4.2 mm and m_{ON}= (–) 4.0 (for side approach)
at s = 3 mm read distance	m_{OFF}= (–) 2.5 mm and m_{ON}= (–) 2.0 (for side approach)
at s = 4 mm read distance	m_{OFF}= (–) 0.5 mm and m_{ON}= 0.0 (for side approach)
Switching hysteresis	0.2 ... 1.0 mm (in the installed state)
Repeat accuracy R	5 %

Operating and display elements

LED display	
LED yellow	LED forward current iFmax. 6.8 mA

Electrical connection values

Output type	PNP
Rated operating current I_e	250 mA
Operating voltage	
DC	20 ... 24 ... 33 V Power supply unit with electrical isolation as per EN 61558-2-6 or sensor pulsing U_B(HIGH)

Operating current	max. 5 mA Current consumption without load
EMC protection requirements	EN 60947-5-2
Utilization category	
DC-12	250mA, 33V (For DC-13, the output must be protected with a free-wheeling diode for inductive loads.)
Short circuit and overload protection, pulsed	Yes
LOW level	
on sensor pulsing	0 ... 5 V DC
Off-state current Ir	max. 0.001 mA
Residual ripple	
From U_B or U_B (HIGH)	max. 10 %
Electrical switching frequency	max. 500 Hz
Safety class	III
Voltage drop U_d	
DC	max. 2.5 V
Duty cycle T_{on}	
T (HIGH) : T (LOW) on sensor pulsing	4 : 1
Test pulse duration	
T (LOW) on sensor pulsing	0.1 ... 20 ms
Reverse polarity protection	Yes

Mechanical values and environment

Connection type	Plug connector M12 (5-pin, straight plug connector. Cable outlet not adjustable.)
Number of switching elements	2
Number of NO contacts	2
Design	upright
Proximity switch spacing	12 mm
Storage temperature	-25 ... 70 °C
Degree of protection	IP67 (only screwed tight with the related mating connector.)