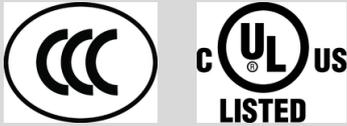


**SN02X12-732L-MC2464 (Order no. 128449)**

## 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  $i_{Fmax}$ . 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 $I_r$	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
<b>Mechanical values and environment</b>	
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.)