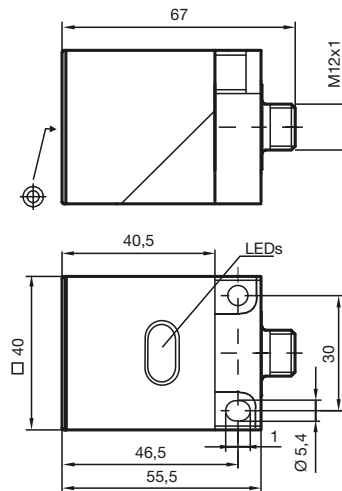


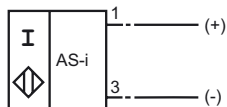
Basic series
30 mm not embeddable
NO/NC selectable
Sensor head bi-directional
and rotatable
Protection degree IP67
Oscillator monitoring



General specifications	
Switching element function	NO/NC programmable
Rated operating distance s_n	30 mm
Installation	not embeddable
Assured operating distance s_a	0 ... 24,3 mm
Reduction factor r_{AI}	0,45
Reduction factor r_{Cu}	0,4
Reduction factor r_{V2A}	0,8
Nominal ratings	
Operating voltage U_B	26,5 ... 31,9 V via AS-i bus system
Switching frequency f	0 ... 100 Hz
Hysteresis H	typ. 5 %
Operating voltage display	LED green
Indication of the switching state	LED yellow
Standard conformity	
Standards	EN 60947-5-2
Ambient conditions	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Storage temperature	-40 ... 85 °C (233 ... 358 K)
Mechanical specifications	
Connection type	plug connector M12 x 1
Housing material	PBT
Protection degree	IP67
Mass	210 g

Connection type:

B3 (...+V1)



Programming Instructions

Address 00 preset, alterable
via Busmaster or
programming units
IO-Code 1
ID-Code 1

Data bit

Bit	Function
D0	switching state ¹⁾ (0 = damped; 1 = undamped)
D1	not used
D2	oscillator monitoring (0= oscillator defective, 1=normal operation)
D3	not used

Parameter bit

Bit	Function
P0	not used
P1	switching element function ²⁾ (0 = NC; 1 = NO)
P2	not used
P3	not used

¹⁾ Applies to NO function (P1 = 1; preset),
with NC function (P1 = 0) reversed characteristics
²⁾ Default setting: NO