

Technical Data

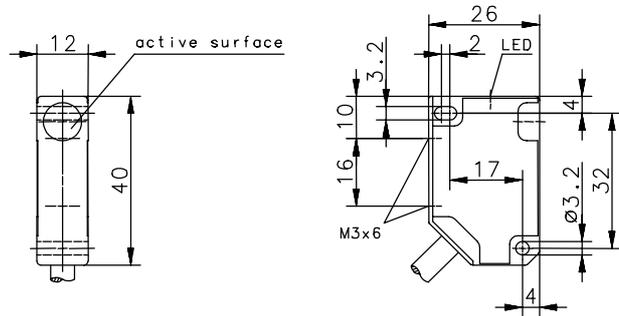
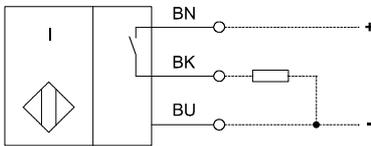
Inductive Proximity Switch

Series E40

Description **KIN-E40PS/004-KL6**

Article number **6502984027**

Wiring Diagram



Identifying characteristics in accordance with EN 60947-5-2

Electrical data

Rated operating distance	S_n	4mm
Standard target		12 x 12mm, t=1mm; material: FE360
Effective operating distance	S_r	3,6 ... 4,4mm
Assured operating distance	S_a	0 ... 3,2mm
Switching element function		DC, N.O.
Repeat accuracy	R	≤ 5%
Differential travel (hysteresis)	H	≤ 0,2 x S_r
Rated operational voltage	U_e	12 – 24V DC
Operational voltage range	U_B	10 – 36V DC
Rated insulation voltage	U_i	75V DC
Rated impulse withstand voltage	U_{imp}	500V
Voltage drop	U_d	≤ 1,5V
Utilization category		DC-13
Rated operational current	I_e	≤ 200mA @ 20°C
Minimum operational current	I_m	≤ 1mA
Off-state current	I_r	< 0,3mA
No-load supply current	I_o	< 11mA
Rated conditional short-circuit current		100A
Switching element		permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	400Hz
Rated supply frequency		DC
Mounting		non flush
False polarity protection		yes
Time delay before availability	t_v	≤ 50ms

Electromagnetic compatibility (EMC)

Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test (Burst)	IEC 61000-4-4
Impulse voltage withstand ability (Surge)	IEC 255-5
Radiated disturbance field strength	EN 55011

Mechanical Data

Enclosure	PBT, black
Ambient air temperature	-25°C ... +70°C
Type of protection	IP67
Pollution degree	3 (Pollution of the active zone can cause impairments of the operating distances.)
Indication	LED, yellow
Termination type	Cable 3 x 0,5mm ² x 6m ; PVC-Outer jacket, black

EU Conformity



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