

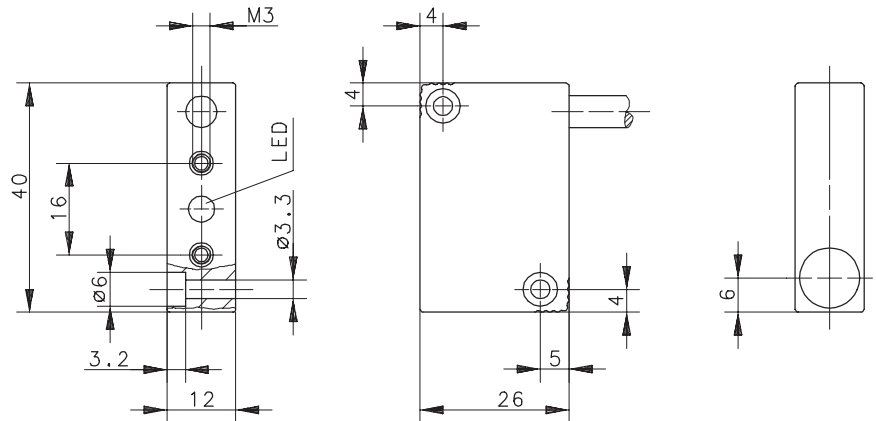
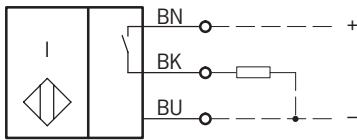
# Technical Data

## Inductive Proximity Switch

Type: **KIB-E40PS/002-KL2**

Part.-No.: **650.2984.002**

### Wiring Diagram



### Technical Data according to EN 60947-5-2

#### Electrical Data

Operational voltage range	$U_B$	10 - 30V DC
Rated insulation voltage	$U_i$	75V DC
Rated impulse withstand voltage	$U_{imp}$	500V
Voltage drop	$U_d$	$\leq 1,5V$
Utilization category		DC-13
Rated operational current	$I_e$	$\leq 200mA$
Off-state current	$I_r$	$< 0,1mA$
No-load supply current	$I_0$	$< 11mA$
Type of protection		IP 67
Short-circuit protection		pulsed
Rated operating distance	$s_n$	2mm
Assured operating distance	$s_a$	0 ... 1,6mm
Repeat accuracy	R	$\leq 5\%$
Differential travel (hysteresis)	H	$\approx 10\%$
Frequency of operating cycles	f	800Hz
Switching function		DC, N.O.
Mounting		flush
False polarity protection		yes
Output		permanent overload and s.c.p.
Time delay before availability	$t_v$	$\leq 50ms$

#### Elektromagnetic compatibility (EMC)

Electromagnetic field test	IEC 61000-4-3
Electrostatic discharge test	IEC 61000-4-2
Electrical fast transient immunity test	IEC 61000-4-4
Radiated disturbance field strength	EN55011
Impulse voltage withstandability	IEC 255-5

#### Mechanical Data

Operating temperature	-25°C bis +70°C
Housing	PA 6.6, black
Indication	LED, yellow
Termination type	Cable 3 x 0,5mm <sup>2</sup> x 2m; PVC - Outer jacket, black