

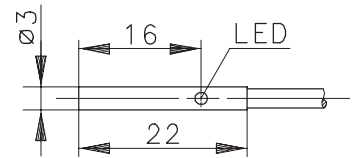
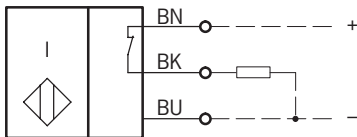
Technical Data

Inductive Proximity Switch

Type: **KIB-D03P0/0,6-KL2PU**

Part.-No.: **650.2799.007**

Wiring Diagram



Technical Data according to EN 60947-5-2

Electrical Data

Operational voltage range	U_B	10 - 30VDC
Rated insulation voltage	U_i	75V DC
Rated impulse withstand voltage	U_{imp}	500V
Voltage drop	U_d	2,0V @ 100mA; add. 0,07V per m cable, at 20 °C
Utilization category		DC-13
Rated operational current	I_e	100mA @ 70°C
Off-state current	I_r	≤ 0,1mA @ 30V
No-load supply current	I_0	< 10mA
Type of protection		IP 67
Short-circuit protection		pulsed
Rated operating distance	s_n	0,6mm
Assured operating distance	s_a	0 ... 0,5mm
Repeat accuracy	R	< 5% (relative to s_n ; acc. to EN 50008)
Differential travel (hysteresis)	H	5% typ.
Frequency of operating cycles	f	3000Hz
Switching function		DC, N.C.
Mounting		flush
False polarity protection		yes
Output		permanent overload and s.c.p.
Time delay before availability	t_v	10ms

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	stainless steel (Niro 1.4305)
Indication	LED, yellow
Termination type	Cable 3 x 0,055mm ² x 2m; PUR - Outer jacket, grey