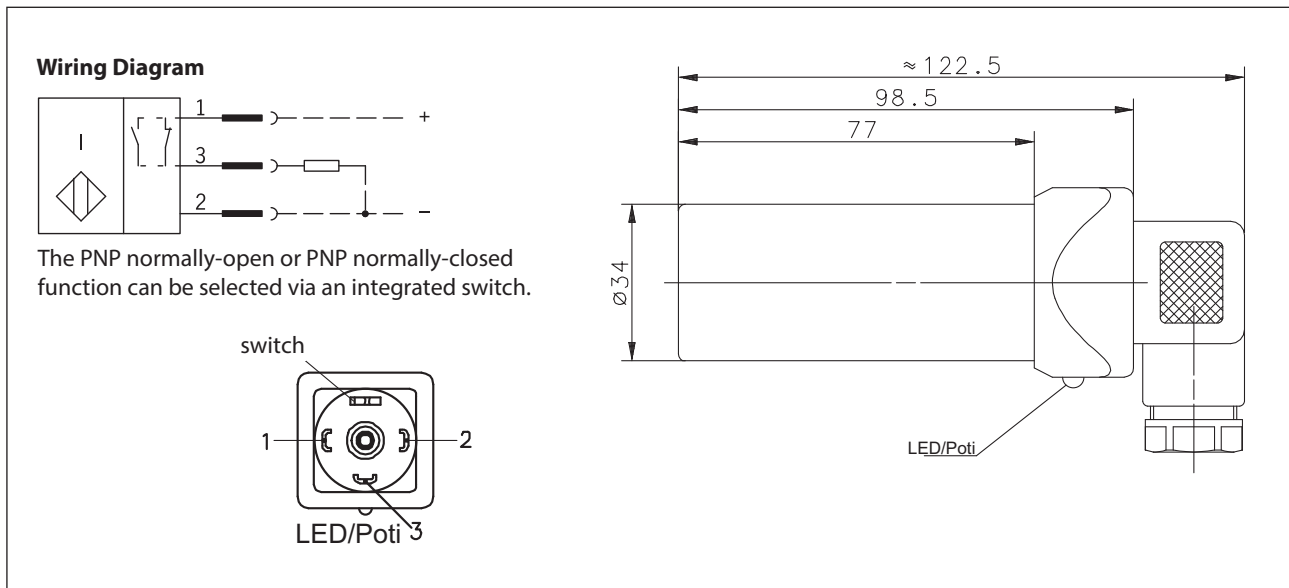


## Capacitive Proximity Switch Series R34

Description **KCN-R34PP/030-KLPSD**

Article number **6507915002**



### Identifying characteristics in accordance with EN 60947-5-2

Electrical data		
Rated operating distance	$S_n$	30 mm (adjustable)
Target		90 mm x 90 mm, t = 1 mm; Material: FE360
Real sensing distance	$S_r$	27 ... 33 mm
Assured operating distance	$S_a$	6 ... 24,3 mm
Switching element function		programmable, DC
Repeat accuracy	R	≤ 10 %
Differential travel (hysteresis)	H	≤ 20 %
Operational voltage range	$U_B$	10 - 60 V DC
Rated insulation voltage	$U_i$	75 V DC
Rated impulse withstand voltage	$U_{imp}$	500 V
Voltage drop	$U_d$	< 3 V
Utilization category		DC-13
Rated operational current	$I_e$	400 mA
Off-state current	$I_r$	≤ 0,5 mA
No-load supply current	$I_o$	≤ 20 mA
Switching element		Permanent overload and s.c.p.
Short-circuit protection		pulsed
Frequency of operating cycles	f	≈ 25 Hz
Mounting		non flush
False polarity protection		yes
Time delay before availability	$t_v$	≤ 50 ms

<b>Electromagnetic compatibility (EMC)</b>	
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	EN 55011

<b>Mechanical Data</b>	
Enclosure	PBT, red
End cap	PA 6, black
Ambient air temperature	-25 °C ... +70 °C (plug: -30 °C .... +120 °C)
Type of protection	IP65 (only in fully locked position with it's plugs)
Pollution degree	3 (Pollution of the active zone can cause impairments of the operating distances.)
Indication	LED yellow
Termination type	Connection in dependence on DIN EN 175301-803

<b>EU Conformity</b>	
acc. to directive 2004 / 108 / EC	