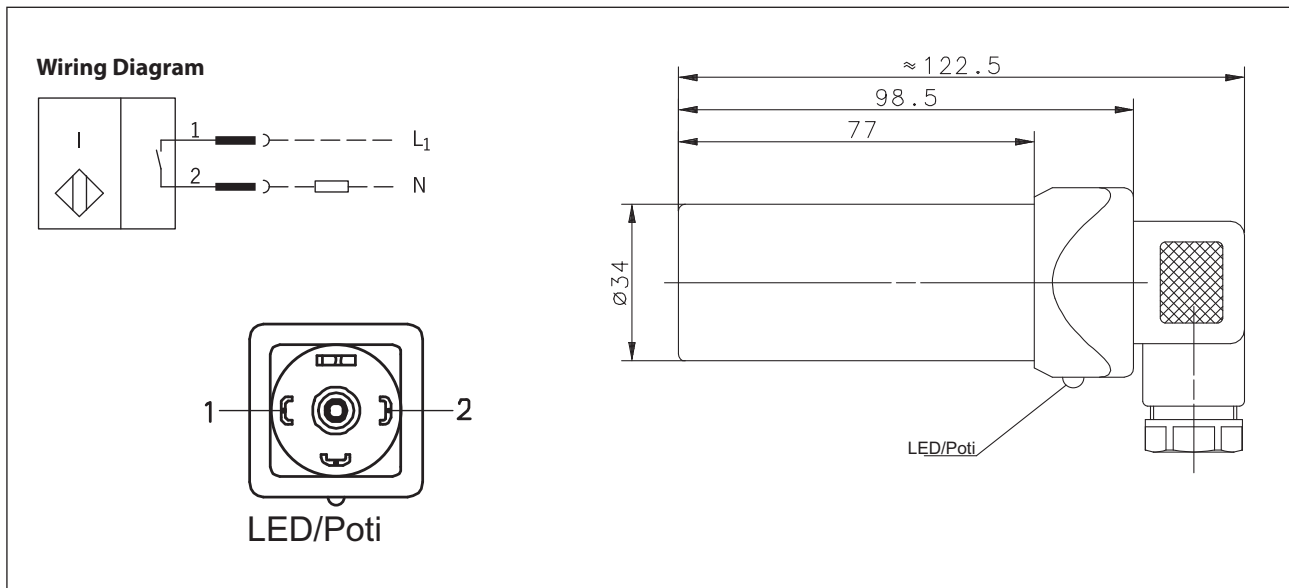


Capacitive Proximity Switch Series R34

Description **KCN-R34AS/030-LPSD**

Article number **6508515003**



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 | | N.O., AC |
| Repeat accuracy | R | ≤ 10 % |
| Differential travel (hysteresis) | H | ≤ 20 % |
| Operational voltage range | U_B | 20 - 250 V AC |
| Rated insulation voltage | U_i | 75 V AC |
| Rated impulse withstand voltage | U_{imp} | 500 V |
| Voltage drop | U_d | < 10 V |
| Utilization category | | AC-13 |
| Rated operational current | I_e | 300 mA |
| Off-state current | I_r | ≤ 3 mA |
| Inrush current | I_k | 2 A |
| Frequency of operating cycles | f | ≥ 15 Hz |
| Rated supply frequency | | 50/60 Hz |
| Mounting | | non flush |
| False polarity protection | | VDR |
| Time delay before availability | t_v | ≤ 300 ms |

| Electromagnetic 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 | EN 55011 |

| Mechanical Data | |
|-------------------------|--|
| 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 |

| EU Conformity | |
|-----------------------------------|--|
| acc. to directive 2004 / 108 / EC | |