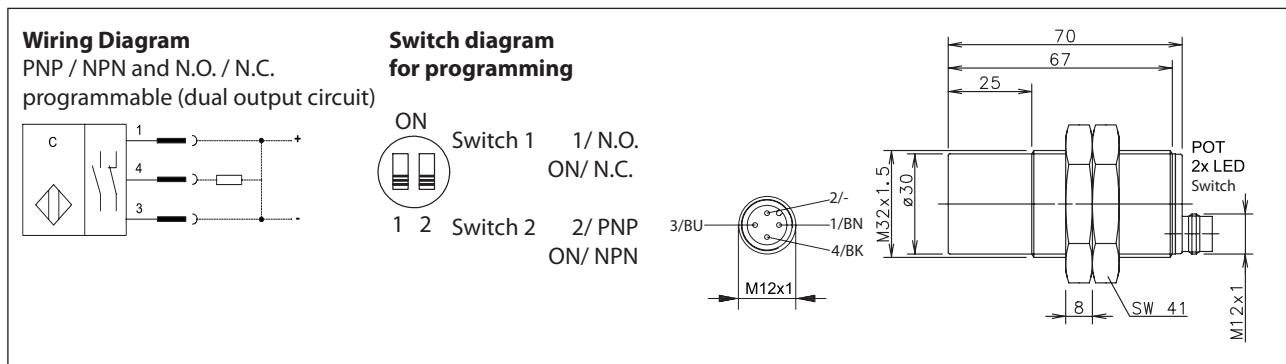


## Capacitive Proximity Switch

### Series M32

Description KCN-T32DP/030-KLPS12

Article number 6607013082



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

Electrical data	
Rated operating distance	$S_n$ 30 mm
Mounting	non flush
Standard target	90 x 90 x 1 mm; material: steel; connected to earth
Effective operating distance	$S_r$ 6-30 mm; Sr adjustable with potentiometer (POT); turn right $\Delta$ high sensitivity, turn left $\Delta$ low sensitivity
Assured operating distance	$S_a$ $0 \leq S_a \leq 0,8 \cdot S_r$
Switching element function	N.O. / N.C. programmable
Repeat accuracy	R $\leq 0,1 \cdot S_r$
Differential travel (hysteresis)	H $\leq 0,2 \cdot S_r$
Frequency of operating cycles	f $\approx 25$ Hz
Rate doperational voltage	$U_e$ 12 V - 27 V DC
Operational voltage range	$U_B$ 10 V - 30 V DC
Rated insulation voltage	$U_i$ 75 V DC
Rated impulse withstand voltage	$U_{imp}$ 500 V
Voltage drop	$U_d$ $\leq 3$ V DC
Utilization category	DC-13 (Switching element)
Rated operational current	$I_e$ 400 mA DC
Minimum operational current	$I_m$ 1 mA DC
Off-state current	$I_r$ $\leq 0,5$ mA DC
No-load supply current	$I_o$ $\leq 20$ mA DC
Switching element	permanent overload and s.c.p.
Short-circuit protection	pulsed
False polarity protection	with permutation of +, -, output no damage occurs
Time delay before availability	$t_v$ $\leq 50$ ms

**Mechanical Data**

Enclosure	PBT, black
End cap	PA6.6, black
Ambient air temperature	-25 °C ... +70 °C
Type of protection	IP67 (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	Power ON: LED = green (Undervoltage or output short circuit: LED flashes) output circuit ON: LED = yellow
Termination type	M12 x 1, PA
For attachment	Hexagon nut, PA6.6, black

**EU Conformity**

acc. to directive 2014/30/EU (EMC-Directive)