



CQ50 series

7 x 30 x 50 mm cubic
capacitive sensors



7 x 30 x 50 mm cubic

features

- DC supply voltage
- No adjustable sensitivity
- Flat polycarbonate plastic housing



web contents



- Application notes
- Photos
- Catalogue / Manuals



code description

	CQ	50	/	A	P	-	3	A
series	CQ	Capacitive sensor (rectangular)						
dimens.	50	50 x 30 x 7 mm						
output state	A	NO output						
	C	NC output						
output logic	P	PNP logic						
	N	NPN logic						
distance	1	5 mm range						
	2	6 mm range						
	3	7 mm range						
	4	10 mm range						
connect.	A	Cable exit						

available models

supply	distance (mm)	connection	NPN NC	NPN NO	PNP NO
5 Vcc	5	2 m cable	-	CQ50/AN-1A	-
10...30 Vcc	6		-	CQ50/AN-2A	-
	7		CQ50/CN-3A	-	CQ50/AP-3A
	10		CQ50/CN-4A	-	CQ50/AP-4A

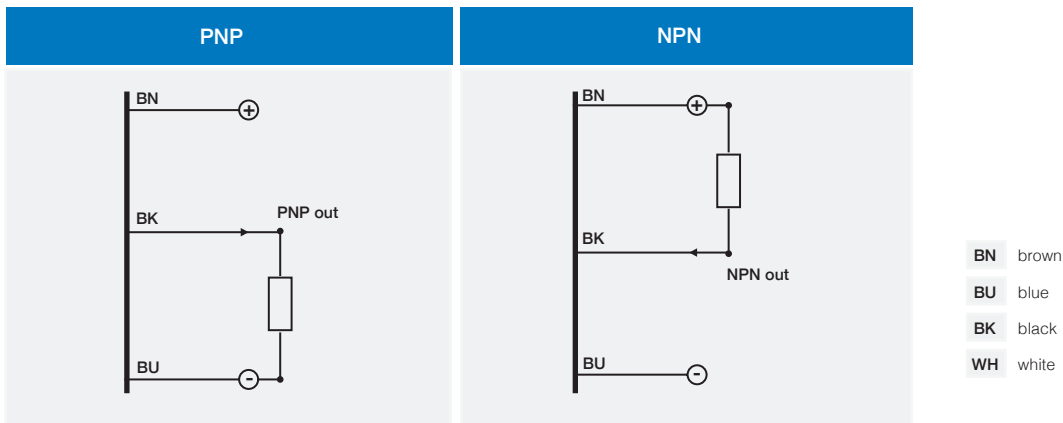


7 x 30 x 50 mm cubic

technical specification

	CQ50/**-1A	CQ50/**-2A	CQ50/**-3A	CQ50/**-4A
				
nominal sensing distance Sn	5 mm	6 mm	7 mm	10 mm
hysteresis	≤ 20%			
repeatability	5%			
operating voltage	5 Vcc	10 ... 30 Vcc		
max ripple content	≤ 10 %			
no-Load supply current	≤ 10 mA			
load current	≤ 50 mA			
leakage current	≤ 100 µA			
output voltage drop Ud	1..5 V max @ IL= 50 mA			
output type	NPN or PNP - NO or NC			
switching frequency	10 Hz			
power on delay	≤ 100 ms			
power supply protections	polarity reversal, impulsive overvoltage			
output protection	autoreset short circuit, overvoltage			
sensitivity adjustment	-			
storage temperature	≤ 20%			
operating temperature range	0 ...+ 60° C (without freeze)			
temperature drift	-30 ...+ 75° C			
EMC	in conformity with the EMC Directive, according to EN 60947-5-2			
protection degree	IP67 (EN 60529) NEMA 1,3,4,6,13			
housing material	noryl			
active head material	noryl			
weight	70 g			

electrical diagrams of connections



dimensions (mm)



7 x 30 x 50 mm cubic

CQ50/**-*A

