



Czujniki pojemnościowe Rectangular housing, CQ4

CQ4-08ENSKU1



Nazwa modelu > **CQ4-08ENSKU1**

Numer części > **6051011**



At a glance

- High switching frequency of 100 Hz
- Quick and easy sensitivity adjustment via potentiometer
- Visual alarm in event of short-circuit
- Reinforced glass-fiber housing
- Operating temperatures up to +75 °C
- Sensor can be installed flush in all materials
- Recess on rear for mounting a cable tie
- Flush installation in all materials possible
- Sensing range of up to 8 mm

Your benefits

- Reliable detection of objects thanks to high switching frequency, even in accelerated production processes
- Simple and fast sensitivity control for adaptation to prevailing conditions
- High reliability thanks to rugged, glass-fiber reinforced housing, proven in hard industrial use
- Minimal installation space requirements thanks to compact design for use in restricted spaces
- Short installation time and no holes in the container or tank walls thanks to non-contact measurement



Cechy

Budowa:	Prostopadłościenna
Wymiary (Szer. x Wys. x Głęb.):	16 mm x 39,5 mm x 12 mm
Sensing range Sn:	8 mm ¹⁾
Assured sensing range Sa:	5,76 mm
Instalacja w metalu:	Niezabudowany / zabudowana
Częstotliwość przełączania:	100 Hz
Wyjście przełączające:	NPN
Output function:	NO
Electrical wiring:	DC 3-wire
Rodzaj zabezpieczenia:	IP 67 ²⁾
Typ połączenia:	Cable, 3-wire, 2 m ³⁾
Nastawa:	Potentiometer, 5 turns , Sensitivity

¹⁾ For flush mounting S_n appr. 6 mm (Sa appr. 4.32 mm) [object grounded]. ²⁾ Zgodny z EN 60529 ³⁾ Do not bend below 0 °C

Mechanika/elektronika

Housing material:	Tworzywo sztuczne
Napięcie zasilania:	10 V DC ... 30 V DC
Tętnienia resztkowe:	≤ 10 %
Spadek napięcia:	≤ 2,5 V DC ¹⁾
Current consumption:	≤ 12 mA ²⁾
Czas osiągnięcia dostępności:	≤ 200 ms
Histeresa:	4 % ... 20 % ³⁾
Odtwarzalność:::	≤ 5 % ⁴⁾ ⁵⁾
Przesunięcie cieplne (Sr):	± 20 %
Kompatybilność elektromagnetyczna::	Zgodna z EN 60947-5-2
Continuous current Ia:	≤ 150 mA
Cable material:	PVC
Zabezpieczenie przed zwarciami:	✓
Zabezpieczenie przed zmianą biegunowości:	✓
Power-up pulse protection:	✓
Shock and vibration resistance:	30 g, 11 ms / 10 ... 55 Hz, 1 mm
Ambient temperature operation:	-20 °C ... +75 °C
Ambient storage temperature:	-40 °C ... +85 °C
Tworzywo, obudowa:	ABS
Tworzywo, obudowa:	Tworzywo sztuczne
UL File No.:	NRKH.E191603

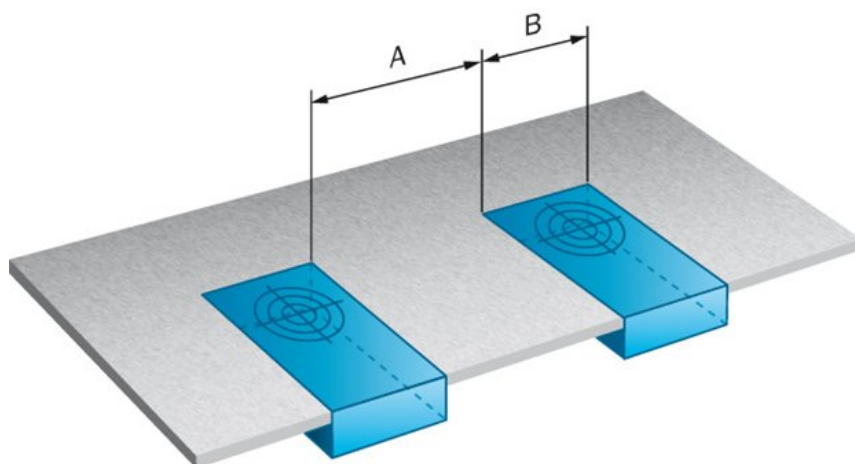
¹⁾ At I_a max ²⁾ Bez obciążenia ³⁾ Depending on installation and environmental conditions and sensitivity adjustment, hysteresis may vary ⁴⁾ Of Sr ⁵⁾ Ub and Ta constant

Współczynniki redukcyjne

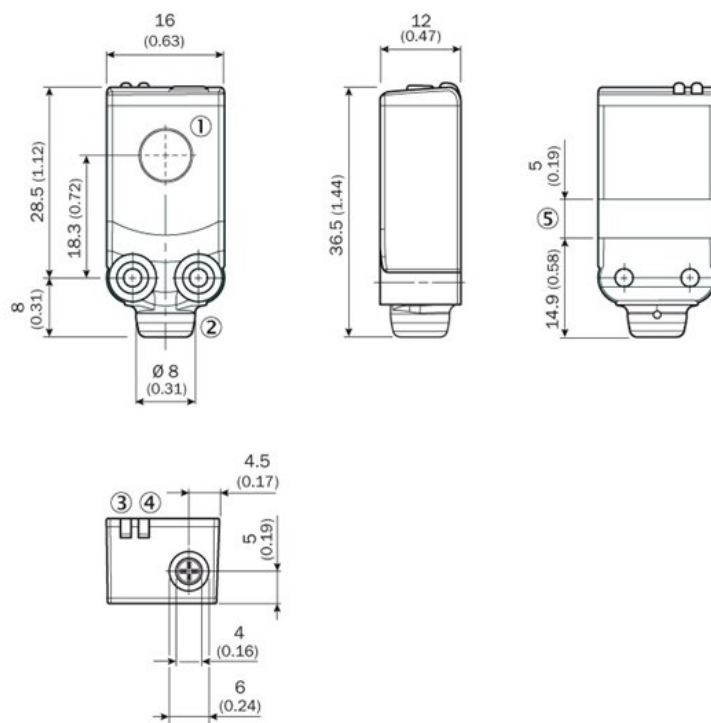
Uwaga:	The values are reference values which may vary
Metal:	1
Water:	1
PVC:	Ca. 0,4
Oil:	Ca. 0,25

Instrukcje określające

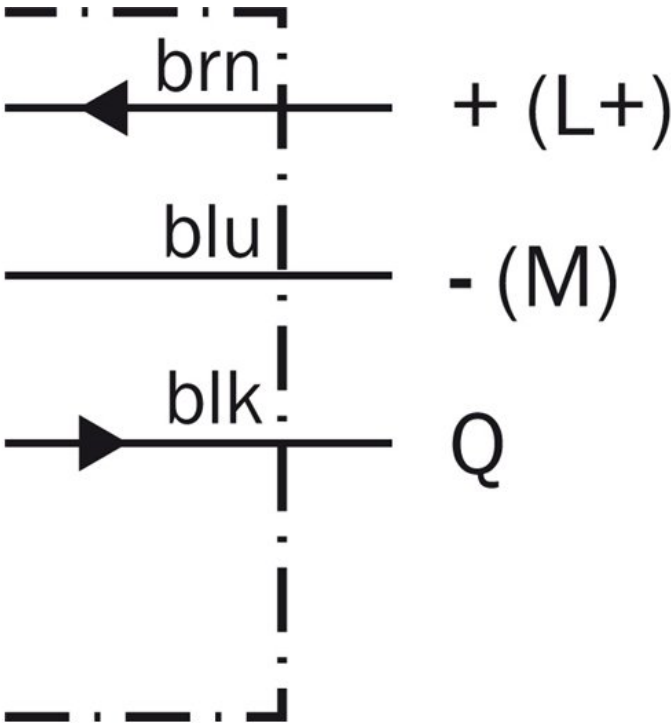
Uwaga:	Associated graphic see "Installation"
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Rysunek techniczny



- |1| Sensing face
- |2| cable
- |3| Yellow LED: status detection of object/medium
- |4| LED monitoring area
- |5| line for cable tie



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