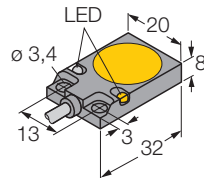


capacitive sensor

BC5-Q08-AN6X2/S250

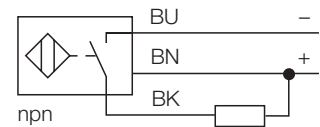
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- Rectangular, height 8mm
- top active face
- metal, GD-Zn
- fixed adjustments
- 3-wire DC, 10...30 VDC
- normally open npn output
- cable connection

Wiring diagram



Capacitive proximity switches are designed for non-contact and wear-free detection of metal (electrically conductive) and non-metal (electrically non-conductive) objects.

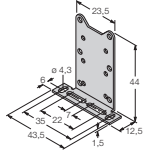
| | |
|---|----------------------------|
| Type | BC5-Q08-AN6X2/S250 |
| Ident-No. | 26201 |
| Rated operating distance Sn | 5 mm, flush mounting |
| Rated operating distance Sn | 5 mm, non-flush mounting |
| Hysteresis | 2... 20 % |
| Temperature drift | ≤ ± 20 % |
| Repeatability | ≤ 2 % |
| Ambient temperature | -25...+ 70 °C |
| Operating voltage | 10... 30VDC |
| Residual ripple | ≤ 10 % U _{SS} |
| DC rated operational current | ≤ 200 mA |
| No-load current I ₀ | ≤ 15 mA |
| Residual current | ≤ 0.1 mA |
| Switching frequency | ≤ 0.1 kHz |
| Rated insulation voltage | ≤ 0.5 kV |
| Output function | 3-wire, normally open, npn |
| Short-circuit protection | yes / cyclic |
| Voltage drop at I _e | ≤ 1.8V |
| Wire breakage / Reverse polarity protection | yes / complete |
| Housing | rectangular, Q08 |
| Dimensions | 32 x 20 x 8 mm |
| Housing material | metal, GD-Zn |
| Material active face | plastic, PA12-GF30 |
| Connection | cable |
| Cable quality | Ø 5.2, LifYY, PVC, 2 m |
| Cable cross section: | 3 x 0.25mm ² |
| Vibration resistance | 55 Hz (1 mm) |
| Shock resistance | 30g (11 ms) |
| Degree of protection | IP67 |
| Operating voltage display | LED green |
| Display switch state | LED yellow |

capacitive sensor
BC5-Q08-AN6X2/S250

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Accessories

| Type code | Ident-No. | Short text | Dimension drawing |
|------------|-----------|--------------------------------------|---|
| MW-Q08/Q10 | 6945007 | mounting bracket; material VA 1.4301 |  |