

## GENERAL FEATURES

- 12 bit resolution
- 0-10 VDC, 4-20 mA or ratiometric output options
- Electrical angle options up to $360^{\circ}$
- Spring and mechanical stop option for $120^{\circ}$ (mechanical $124^{\circ}$ )
- IP54 protection
- Long service life
- Compact design
- High accuracy

RCB 3100 series angle sensors make non-contact measurement with magnetic principle. It has an electrical measuring angle up to $360^{\circ}$. There is also a spring and mechanical stop option for $120^{\circ}$. The measured angular position is transmitted via analog interfaces such as $0.5-4.5 \mathrm{~V}, 0-10 \mathrm{~V}$ or $4-20 \mathrm{~mA}$.

RCB 3100 series sensors with 12 bit resolution and high accuracy provides long and stable operation. Thanks to its compact structure, it provides quick and simple installation. Optionally, different analog output signals, measuring range (angle value) or cable length can be requested.

TECHNICAL SPECIFICATIONS


Note: The specifications specified by (*) vary depending on the model selected. The detailed code table for product selection is shown on page 2.

## ELECTRICAL CONNECTION



* Output Signal may be $0.5-4.5 \mathrm{~V}, 0-10 \mathrm{~V}$ or $4-20 \mathrm{~mA}$ depending on the model.




Note: The angle sensors have an area that is not measured approx $2^{\circ}$.

## MECHANICAL DIMENSIONS (in mm)



## SAMPLE APPLICATION FIELDS

- Robotic systems
- Auto parts
- Solar and photovoltaic systems
- Automated guided systems
- Crane and lifting technology
- Wind power plant



## ORDER CODE


(1) Spring and mechanical stop feature is only available for $120^{\circ}\left(\right.$ mechanical $\left.124^{\circ}\right)$.
(2) When the output signal is selected as $4-20 \mathrm{~mA}$ or $0-10 \mathrm{~V}$, the supply voltage must be PP and when the ratiometric is selected, the supply voltage must be TTL.
(3) Optionally, different cable lengths can be requested.

Sample Code: RCB 3100-SCW-120-PP-V-CW-0,5M-08-S132
RCB 3100 series, spring return and mechanical stop CW rotation, $0-120^{\circ}$ measuring range, PP supply, $0-10 \mathrm{~V}$ output, Output signal direction is clockwise, 0.5 m cable, 8 mm shaft, superseal connector

